PLANET
Networking & Communication







2018 PRODUCT GUIDE

All-inclusive IP Networking Solutions



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PLANET
Networking & Communication



Overview

PLANET @ A Glance

With a strong mission to be a "Pioneer of IP Innovation" in the global market, PLANET designs and manufactures Internet Protocol-based (IP-based) networking products and solutions to achieve the goal of continual innovations. It is delivering its promises to be a worldwide IP-based technology leader today and tomorrow, demonstrating its continued commitment to innovation, quality, reliability, and efficiency, as well as realizing the Corporate Social Responsibility. PLANET was officially listed on Taipei Exchange (TPEx) in Taiwan with trade code 6263 in September 2003.

Tradition of Innovations

Since its founding in 1993, PLANET has been dedicated to provide innovative IP-based networking solutions with the most complete range of product offerings to satisfy the growing demands of various entities from Businesses, Education, Finance, Healthcare, Industry, Government, etc. All our technologies and product mix are driven and delivered based on the concept of Activating IP Power to bring our customers the benefits characterized as energy-saving, ease-to-install, and cost effective. Our history of technology innovations forms a strong foundation for breakthroughs in high-performance, and next-generation networks.

Global Branding

For catering to the rapid change of network requirements from all types of businesses and organizations, PLANET has built the most professional and solid distributor channels in more than 140 countries across 5 continents. To provide market-oriented assistance directly to our partners and distributors worldwide, we offer the most in-depth products and marketing resources. Our business partners and customers can easily access sales and marketing tools via Internet at their convenience and requirements. Our distributors therefore can provide professional and localized solutions to local customers. These overseas partners and distributors have placed PLANET culturally and physically closer to customers, ensuring the enhancement of global branding and local presence, thus creating the mutual business opportunities and profits growing benefits.



Corporate Citizenship

PLANET has always been devoted to business growth by product innovation and global branding as well as continued its effort in Corporate Social Responsibility (CSR). CSR is integrated as part of the core business strategy of PLANET. On a strategic, long-term approach to implement CSR incorporating economic responsibility, environmental responsibility and social responsibility, PLANET strives to achieve sustainable development and keeps aligning their values and behavior with the expectations and needs of employees, shareholders, customers, suppliers, communities, regulators, special interest groups and society as a whole.



Layer 3 Enterprise Stackable Switches

► SGS-6340 / SGS-6341 Series



SGS-6340-16XR
16-Port 10Gbps Fiber



SGS-6340-20S4C4X
24-Port Long Distance Fiber + 4-Port 10G



SGS-6341-48T4X
52-Port High Density



SGS-6340-24P4S
24-Port High Power PoE+



SGS-6341-24T4X
24-Port Gigabit + 4-Port 10G



SGS-6341-24P4X
24-Port High Power PoE+
4-Port 10G

LAN Switches

IPv4 and IPv6 Hardware Layer 3 Static Routing

Designed for system integrators and SMEs, the Layer 2+ series provides not only ultra high transmission performance and excellent Layer 2 technologies, but also IPv4 and IPv6 VLAN routing feature, which allows to get across different VLANs and different IP addresses for the purpose of having a highly-secure, flexible management and simpler networking applications.



User-friendly Management with Unique LCD Touch Screen

Aiming to promote the management efficiency in large-scale networks, PLANET provides world's first Color Touch LCD Ethernet Switch that offers quick installation, real-time monitoring of data transmission and PoE work status, and immediate troubleshooting through its unique LCD display found on the front panel. This cutting-edge Plug and Watch Ethernet solution makes the operation of the LCD Ethernet Switch simple for SMBs, enterprises, warehouses, factories, hotels, government buildings, and other public areas to manage their networks.





Efficient Single IP Management

PLANET stackable switch series applies the advantage of the stacking technology to managing the stack group with one single IP address, which helps network managers to easily manage a stack of switches instead of connecting and setting each unit one by one. It provides IP Stacking function to configure up to total 24 switches and hardware stacking up to 16 switches.



Various Solutions and Flexible Deployments for All Kinds of Environments

PLANET offers various choices for its LAN switch solutions with combinations of fiber, PoE and industrial Ethernet for different applications from 5 to 384 ports or more. Besides, PLANET LAN switches are not only integrated with regular functions for SOHOs or small businesses but also provides different advanced functions for SMBs or larger businesses to manage wide coverage of network.

Layer 3 Managed Chassis Switches

XGS3 Chassis

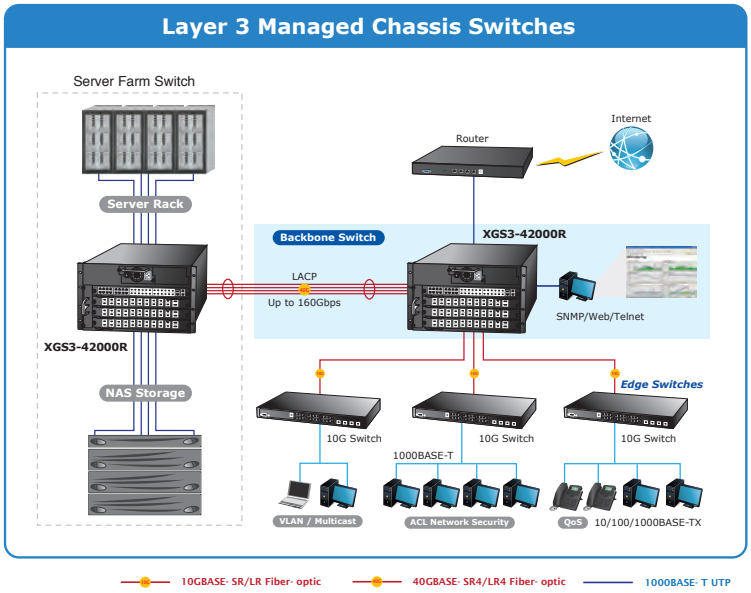


IPv6/IPv4 Routing

Stackable

PLANET XGS3-42000R Core-Layer Routing Switch is specially designed for large network applications such as enterprises, campuses, communities, ISPs and data center networks where flexible configuration, large capacity, high density, high reliability and advanced traffic management are required.

The XGS3-42000R is a high-density chassis-based routing switch built with 4 module slots and redundant power supply. It provides great porting flexibility for network deployment by offering various and combinable management modules and standard interfaces. With 10-Gigabit Ethernet technology applied, the XGS3-42000R provides broad bandwidth and powerful processing capacity. The Chassis Switch supports wire-speed L2/L3 forwarding and high routing performance for IPv4 and IPv6 protocols.



XGS3-42000R

- 160-port 10/100/1000BASE-T copper
- 156 1000BASE-SX/LX SFP fiber slots
- 60 10G XFP fiber slots
- 6 40G QSFP+ fiber slots
- 19-inch, 6U rack-mount

- Gigabit wire-speed Layer 3 IPv4 and IPv6 routing
- Four slots for optional Gigabit/10 Gigabit modules
- IP routing protocols: static routing, RIPv1/v2, OSPFv2, BGP4 & VRRP
- IP multicast routing: IGMP, PIM-DM/SM, DVMRP
- IEEE 802.1Q, Private VLAN and GVRP for VLAN management
- IEEE 802.1D/1w/1s Spanning Tree Protocol
- IEEE 802.1x, RADIUS, TACACS+, SSH and SSL
- L2, L3 and L4 Access Control List and QoS
- 100~240V AC redundant power system

Module	XGS3-M16C8S	XGS3-S44S4X	XGS3-S20X2Q	XGS3-S16C8S4X	XGS3-S48G	XGS3-PWR-AC
Product						
Type	Management	Standard	Standard	Standard	Standard	Power
10/100/1000T	16 (Shared)	-	-	16 (Shared)	48	-
1000SX/LX SFP	24	44	-	24	-	-
10G XFP	-	4	20	4	-	-
40G QSFP+	-	-	4	-	-	-
Power Unit	-	-	-	-	-	500W

10G Full Layer 3 Managed Switches

XGS3 Series



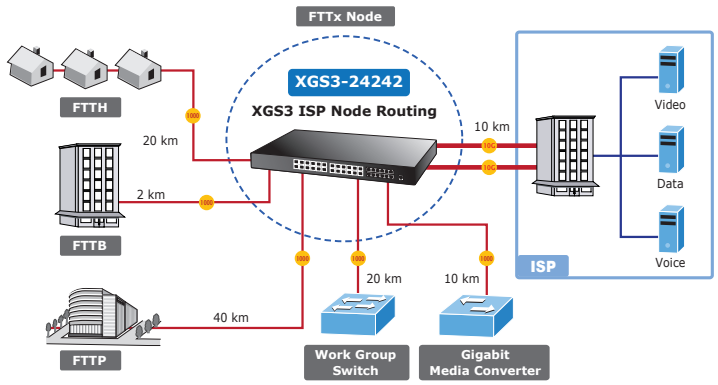
IPv6/IPv4 Routing

Stackable

Positioned as the distribution and aggregation layer switch for large networks, PLANET XGS3 Series, a multi-layer IPv6/IPv4 10Gbps Ethernet Routing Switch, supports IP stacking technology to manage and configure up to 24 units via one single IP address efficiently. It serves campus and IP metropolitan networks by offering advanced intelligent and secure features as well as high performance and flexibility. The XGS3-24242 can also be an excellent choice as a core layer switch for enterprises, data centers and small- and medium-sized networks. With excellent hardware design and software features in a compact 1U height format, PLANET XGS3 Series comes with the following advanced technologies:

- Hardware-based IPv6/IPv4 high routing performance
- IPv6/IPv4 dual stack management
- 10G Ethernet switching
- Single IP address management
- Redundant power system

ISP/Telecom Backbone Routing Switch



1000Base- SX/LX Fiber- optic
10GBase- SR/LR Fiber- optic
1000Base- T UTP

XGS3-24042

- 10/100/1000BASE-T port x 24
- 100/1000BASE-X SFP port x 4 shared with Port-21 to Port-24
- 10GBASE-X SFP+ port x 4

XGS3-24242

- 100/1000BASE-X SFP port x 24
- 10/100/1000BASE-T port x 16 shared with Port-1 to Port-16
- 10GBASE-X SFP+ port x 4
- QSFP+ port x 2 for hardware stacking

- Gigabit wire-speed Layer 3 IPv4 and IPv6 routing
- IP routing protocols: static routing, RIPv1/v2, OSPFv2, BGP4 & VRRP
- IP multicast routing: IGMP, PIM-DM/SM, DVMRP
- IEEE 802.1Q, Private VLAN and GVRP for VLAN management
- L2, L3 and L 4 Access Control List and IEEE 802.1x support
- SNMP v1/v2c/v3 and RMON Group 1, 2, 3, 9
- IP stacking management, up to 24 units
- 100~240V AC and -48V DC redundant power
- 19-inch,1U rack-mount

Layer 3 Enterprise Stackable Managed Switches

SGS-6340 Series/SGS-6341 Series



L3 RIP Routing

L3 OSPF Routing

Cost-effective Layer 3 Routing Solution for Enterprise Intranet Networking

Designed for enterprises and small- and medium-sized businesses where an intranet routing network is built, PLANET SGS-6340 and SGS-6341 series, a Layer 3 Stackable Gigabit Managed Switch, provides hardware-based Layer 3 routing capability with IPv4 and IPv6 static routing, RIP (Routing Information Protocol) and OSPF (Open Shortest Path First) routing features which allow to crossover different VLANs and different IP addresses, and performs effective data traffic control for security, VoIP and video streaming applications.

Efficient IP Stacking Management

The SGS-6340 and SGS-6341 series supports IP stacking function that helps network managers to easily configure up to 24 switches in the same series via one single IP address instead of connecting and setting each unit one by one. It enables centralized management regardless of the series of switches being distributed in various locations. New switches can be flexibly added to the IP stacking group when network expands.

- IP Routing protocols: Static Routing, RIPv1/v2 and OSFPv2
- IPv4 and IPv6 Web Interface; SNMP v1, v2c and v3; SSH and SSL management
- IEEE 802.1Q VLAN, Private VLAN and GVRP
- IEEE 802.1w/1s/1D Spanning Tree Protocol
- Layer 2,3 and 4 Access Control List and QoS
- IGMP Snooping v1, v2 and v3; and MLD Snooping v1 and v2
- IP stack: up to 24 units and single IP address stack management



SGS-6340-16XR

- 10GBASE-X SFP+ port x 16
- 100~240V AC and 48~60V DC redundant power system
- FAN Alarm LED Indication

SGS-6341-48T4X

- 10/100/1000BASE-T port x 48
- 10GBASE-X SFP+ port x 4
- USB interface for configuration file backup or upload

SGS-6340-20S4C4X

- 10/1000BASE-X SFP port x 24
- 10/100/1000BASE-T port x 4 shared with Port-21 to Port-24
- 10GBASE-X SFP+ port x 4
- 100~240V AC and -48~60V DC redundant power system
- Smart fan design for silent operation

SGS-6341-24T4X

- 10/100/1000BASE-T port x 24
- 10GBASE-X SFP+ port x 4

SGS-6341-24P4X

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 10GBASE-X SFP+ port x 4
- 370-watt PoE budget

SGS-6340-24T4S

- 10/100/1000BASE-T port x 24
- 1000BASE-X SFP port x 4
- Fanless

SGS-6340-24P4S

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 1000BASE-X SFP port x 4
- 370-watt PoE budget
- Smart fan design for silent operation

10G Layer 3 Fiber Managed Switches

SGS-6340 Series



Powerful All-port 10Gbps Switch with IP Stacking Management

PLANET SGS-6340-16XR is a Layer 3 Stackable Managed Gigabit Switch that provides high-density performance via its Layer 3 10Gigabit static routing with 16 SFP+ fiber interfaces delivered in a rugged case. The administrator can flexibly choose a suitable SFP/SFP+ transceiver according to the transmission distance or the transmission speed required to extend the 10G network efficiently.

SGS-6340-16XR

- 10GBASE-X SFP+ port x 16
- 100~240V AC and 48~60V DC redundant power system
- FAN Alarm LED Indication
- IP stack: up to 24 units and single IP address stack management

XGS-5250 Series

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The XGS-5220-12X8CR is a highly cost-effective managed switch with 12-port 10G SFP+, offering data center scale high performance at an economical price. With a total network transmission speed up to 240Gbps, it is able to manage cloud computing data and high-resolution video transmission.

XGS-5250-12X8CR

- 1G/10G SFP+ port x 12
- 10/100/1000BASE-T port x 8
- 100/1000BASE-X SFP port x 8
- Dual 48~60V DC and 100~240V AC redundant power
- Front access design

XGS-6350 Series



Powerful Layer 3 Routing with Multiple 10Gbps SFP+ Fiber Solution

PLANET XGS-6350 series, a Layer 3 Managed 10Gigabit Switch, provides hardware-based Layer 3 routing capability with IPv4/IPv6 static routing, RIP (Routing Information Protocol) and OSPF (Open Shortest Path First) routing features. With ultra-high switching fabric, the XGS-6350 series can handle extremely large amounts of data in a secure topology linking to backbone or high capacity servers for enterprises, data centers, campuses and so on where VoIP, video streaming, and multicast applications are utilized.



XGS-6350-12X8TR

- 1G/10G SFP+ port x 12
- 10/100/1000BASE-T port x 8
- Dual 100~240V AC redundant power

Touch LCD 10G Layer 2+ IPv6 Managed Gigabit Switches

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Intuitive LCD for Efficient Management

PLANET **GS-5220 Smart LCD Switch** series provides an intuitive touch panel on their front panels that facilitate the Ethernet management and PoE PD management. They greatly promote management efficiency in large-scale network and feature the following special management and status functions:

- IP address, VLAN and QoS configuration
- PoE management and status
- Port management and status/SFP information
- Troubleshooting: cable diagnostic and remote IP ping
- Maintenance: reboot, factory default and save configuration

The GS-5220 LCD PoE switch models featuring PLANET intelligent PoE management to improve the availability of critical business applications have an awesome feature -- ONVIF Support -- which is specifically designed for co-operating with Video IP Surveillances. From the GUI, you just need one click to search and show all of the ONVIF devices via network application, thus enabling to pinpoint the location of the particular surveillance device for easier inspection and planning.



GS-5220-24T4XV(R)

- 10/100/1000BASE-T port x 24
- 1G/10G SFP+ port x 4
- R model supports 100~240V AC/48~60V DC redundant power

GS-5220-16T2XV(R)

- 10/100/1000BASE-T port x 16
- 1G/10G SFP+ port x 2
- R model supports 100~240V AC/48~60V DC redundant power

PoE Models

GS-5220-24UP(L)4XV(R)

- 10/100/1000BASE-T with 802.3bt PoE port x 24
- 1G/10G SFP+ port x 4
- 400-/600-watt PoE budget
- Up to 75 watts per PoE port
- R model supports 100~240V AC/48~60V DC redundant power

GS-5220-16UP2XV(R)

- 10/100/1000BASE-T with 802.3bt PoE port x 16
- 1G/10G SFP+ port x 2
- 400-watt PoE budget
- Up to 75 watts per PoE port
- R model supports 100~240V AC/48~60V DC redundant power

60W

GS-5220-24P(L)4XV(R)

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 1G/10G SFP+ port x 4
- 400-/600-watt PoE budget
- Up to 36 watts per PoE port
- R model supports 100~240V AC/48~60V DC redundant power

GS-5220-16P2XV(R)

- 10/100/1000BASE-T with 802.3at PoE+ port x 16
- 1G/10G SFP+ port x 2
- 220-watt PoE budget
- Up to 36 watts per PoE port
- R model supports 100~240V AC/48~60V DC redundant power

10G Layer 2+ IPv6 Managed Gigabit Switches

GS-5220 Series/XGSW Series



PLANET GS-5220 series is the Layer 2+ IPv6 and IPv4 Gigabit Enternet switch with 10Gbps uplink to greatly support SMB and enterprise networks to achieve 10Gbps high performance in a cost-effective way. The GS-5220 Series can work with PLANET ENW-9800 series or the third-brand 10Gbps server adapter to help SMBs build 10Gbps Ethernet network providing 10Gbps NAS (Network Attached Storage) or heavy transmission of video streaming service at an affordable price.

- 4 SFP+ slots support dual-speed, 10GBASE-SR/LR & 1GBASE-SX/LX/BX
- IPv6 Web interface; SNMP v1, v2c and v3; SSH and SSL management
- IEEE 802.1Q VLAN, Private VLAN, Q-in-Q, Protocol-based VLAN and MAC-based VLAN
- IEEE 802.1D/1w/1s Spanning Tree Protocol for Ethernet redundancy
- Layer 2, 3 and 4 Access Control List
- IGMP Snooping v1, v2 and v3; and MLD Snooping v1 and v2
- 19-inch,1U rack-mount

Multigigabit Layer 2+ IPv6 Managed PoE Switches

MGS-5220-8UP2X / MGS-5220-8P2X

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Multigigabit 2.5G

The MGS-5220-8UP2X and MGS-5220-8P2X series is PLANET's first Multigigabit Layer 2+ Managed Switch designed in compact size. Offering 8-port PoE 2.5GBASE-T and 2-port dual speed 10G SFP+, it breaks the bandwidth limitation of connecting the wireless network with the wired network. Featuring L2+ routing and PLANET Intelligent PoE functions, it provides a highly-secure, environment-friendly network management and accelerates the deployment of wireless network infrastructure for smart cities.

- 8 100/1000/2.5GBASE-T ports, 2 dual speed SFP+ slots
- 8 ports with 30~95W PoE output
- Intelligent PoE functions including PD alive check, PoE schedule, scheduled power recycling and over-temperature protection
- 13-inch compact size

GS-5220-16T4S2X(R)

- 10/100/1000BASE-T port x 16
- 100/1000BASE-X SFP port x 4
- 1G/10G SFP+ port x 2
- R model supports 100~240V AC/48~60V DC redundant power

GS-5220-20T4C4X(R)

- 10/100/1000BASE-T port x 24
- 100/1000BASE-X SFP port x 4
- 10G SFP+ port x 4

GS-5220-48T4X

- 10/100/1000BASE-T port x 48
- 100/1000BASE-X SFP port x 4
- 10G SFP+ port x 4

GS-5220-46S2C4X

- 100/1000BASE-X SFP port x 48
- 10G SFP+ port x 4
- 10/100/1000BASE-T port x 2
- 1U height, 19-inch rack-mountable

PoE Models

GS-5220-24UP(L)4X(R)

- 10/100/1000BASE-T with 802.3bt PoE port x 24
- 100/1000BASE-X SFP port x 4
- 1G/10G SFP+ port x 4
- 400-/600-watt PoE budget
- Up to 75 watts per PoE port
- R model supports 100~240V AC/48~60V DC redundant power

GS-5220-16UP4S2X(R)

- 10/100/1000BASE-T with 802.3bt PoE port x 16
- 100/1000BASE-X SFP port x 4
- 1G/10G SFP+ port x 2
- 400-watt PoE budget
- Up to 75 watts per PoE port
- R model supports 100~240V AC/48~60V DC redundant power

GS-5220-48P(L)4X(R)

- 10/100/1000BASE-T with 802.3at PoE+ port x 48
- 1G/10G SFP+ port x 4
- R model supports 100~240V AC/48~60V DC redundant power
- 400-/600-watt PoE budget
- Up to 36 watts per PoE port

GS-5220-24P(L)4X(R)

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 1G/10G SFP+ port x 4
- 400-/600-watt PoE budget
- Up to 36 watts per PoE port
- R model supports 100~240V AC/48~60V DC redundant power

XGSW-28040HP

TAIWAN EXCELLENCE 2014

- 10/100/1000BASE-T port x 24
- 100/1000BASE-X SFP port x 4
- 10G SFP+ port x 4
- 440-watt PoE budget, up to 24 PoE
- Supports ITU-G.8032 Ethernet Ring Protection Switching (ERPS)

GS-5220-8P2T2X/GS-5220-8UP2T2X

- 10/100/1000BASE-T with 802.3at/bt PoE+ portx 8
- 10/100/1000BASE-T port x 2
- 10G SFP+ port x 2
- 240-watt PoE budget
- Up to 36/75 watts per PoE port

MGS-5220-8P2X

- 2500/1000/100/10BASE-T with 802.3at PoE+ port x 8
- 1G/10G SFP+ port x 2
- 240-watt PoE budget
- Up to 36 watts per PoE port

10G Layer 2+ IPv6 Stackable Managed Gigabit Switches

SGS-5220 Series





The SGS-5220 series applies the advantage of the stacking technology to managing the stack group with one single IP address. Up to 16 units, 384 Gigabit Ethernet ports and 32 10Gbps SFP+ slots can be managed by a stacking group and you can add ports and functionality as needed.

- Single IP management/Plug and Play hardware stacking
- Up to 16 units, 384 Gigabit ports and 32 10Gbps SFP+ slots connectivity per stack group
- IPv4 and IPv6 Layer 3 static routing
- IEEE 802.1Q VLAN, Private VLAN and Q-in-Q
- IGMP Snooping v1, v2 and v3; and MLD Snooping v1 and v2
- IEEE 802.1s MSTP and loop protection
- IPv6 Web interface; SNMP v1, v2c and v3; and SSH and SSL management

SGS-5220-24T2X

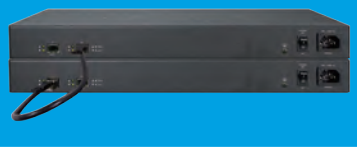
- 10/100/1000BASE-T port x 24
- 100/1000BASE-X SFP port x 4
- 10G SFP+ uplink port x 2
- 10G SFP+ stacked port x 2

SGS-5220-24P2X

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 100/1000BASE-X SFP port x 4
- 10G SFP+ uplink port x 2
- 10G SFP+ stacked port x 2
- IEEE 802.3af/at Power over Ethernet
- 440-watt PoE budget, up to 24 PoE powered devices
- Up to 30 watts per port

SGS-5220-24S2XR

- 100/1000BASE-X SFP port x 24
- 10/100/1000BASE-T port x 8
- 10G SFP+ uplink port x 2
- 10G SFP+ stacked port x 2
- 100~240V AC and 36~60V DC redundant power



Layer 2+ IPv6 Managed Metro Switches

MGSW Series



To fulfill the growing demand for IP network deployment from LAN to MAN (Metropolitan Area Network), PLANET MGSW Gigabit Metro Ethernet Switch Series is specially designed to deliver profitable wide-ranging Ethernet network based on the optical fiber technology. Furthermore, it adopts “Front Access” design for easy wiring and maintenance of the MGSW Series in the cabinet.

- Redundant power system: dual -36V~-60V DC and 100V~240V AC
- -10 to 60 degrees C operating temperature
- IEEE 802.1Q VLAN, Protocol VLAN, GVRP and MVR
- IEEE 802.1D/1w/1s Spanning Tree Protocol for Ethernet redundancy
- Policy-based QoS, bandwidth control and storm control
- Layer 2, 3 and 4 Access Control List and port security
- Web; SNMP v1, v2c, v3; and Telnet remote IP management
- IPv6 and IPv4 dual stack management
- Digital input and digital output
- Front access design
- 19-inch,1U rack-mountable installation

MGSD-10080F

- 100/1000BASE-X SFP port x 8
- 10/100/1000BASE-T port x 2
- Supports ITU-G.8032 Ethernet Ring Protection Switching (ERPS)

MGSW-24160F

- 100/1000BASE-X SFP port x 16
- 10/100/1000BASE-T port x 8

MGSW-28240F

- 10/100/1000BASE-T port x 4
- 100/1000BASE-X SFP port x 24
- 10G SFP+ port x 4
- Supports ITU-G.8032 Ethernet Ring Protection Switching (ERPS)

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Layer 2+ IPv6 Managed Gigabit Switches

WGS Series/GS-5220 Series



PLANET WGS and GS-5220 series support both IPv4 and IPv6 management functions, and IPv4 and IPv6 Layer 3 static routing. It offers IPv4 and IPv6 VLAN routing feature which allows to crossover different VLANs and different IP addresses for the purpose of having a highly-secure, flexible management and simpler networking applications.

The GS-5220 Fiber Switches as the fiber backbone switch providing 24~44 100/1000Base-X dual-speed SFP slots can flexibly work with suitable SFP transceivers to have a long connection of up to 120km via optic fiber cabling.

With easy and friendly management interfaces and plenty of management functions included, PLANET WGS and GS-5220 series is the best choice for ISPs to build the IPv6 FTTx edge service and for SMBs to connect with IPv6 network.

- IPv4 and IPv6 Layer 3 static routing
- IPv6 Web interface; SNMP v1, v2c and v3; SSH and SSL management
- Static and IEEE 802.3ad Link Aggregation
- DHCP snooping/ARP Inspection and IP Source Guard
- IEEE 802.1Q VLAN, Private VLAN, Q-in-Q, Protocol-based VLAN and MAC-based VLAN
- IEEE 802.1D/1w/1s Spanning Tree Protocol
- QoS control list and bandwidth control
- 802.1X, RADIUS and TACACS+ authentication
- Layer 2, 3 and 4 Access Control List
- IGMP snooping v1, v2 and v3; and MLD snooping v1 and v2
- PoE models support PD alive check, PoE schedule, scheduled power recycling and over temperature protection

WGSD-10020

- 10/100/1000BASE-T port x 8
- 100/1000BASE-X SFP port x 2
- 13-inch desktop size
- Fanless

WGSW-24040/WGSW-24040R

- 10/100/1000BASE-T port x 24
- 100/1000BASE-X SFP port x 4
- 100~240V AC/-48V DC redundant power

GS-5220-16S8C/GS-5220-16S8CR

- 10/100/1000BASE-T port x 8
- 100/1000BASE-X SFP port x 24
- Each SFP slot supports DDM
- 100~240V AC/-48V DC redundant power

GS-5220-44S4C

- 100/1000BASE-X SFP port x 48
- 10/100/1000BASE-T port x 4
- Each SFP slot supports DDM
- 1U height, 19-inch rack-mountable

PoE Models

WGSD-10020HP

- 10/100/1000BASE-T with 802.3at PoE+ port x 8
- 100/1000BASE-X SFP port x 2
- 150-watt PoE budget
- 13-inch desktop size, 1U rack-mount

GS-5220-8P2T2S

- 10/100/1000BASE-T with 802.3at PoE+ port x 8
- 10/100/1000BASE-T port x 2
- 100/1000BASE-X SFP port x 2
- 240-watt PoE budget
- 13-inch desktop size, 1U rack-mountable
- Smart fan design for silent operation

WGSW-20160HP

- 10/100/1000BASE-T with 802.3at PoE+ port x 16
- 10/100/1000BASE-T port x 4
- 100/1000BASE-X SFP port x 4
- 230-watt PoE budget

WGSW-24040HP/WGSW-24040HP4

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 100/1000BASE-X SFP port x 4
- 220/440-watt PoE budget

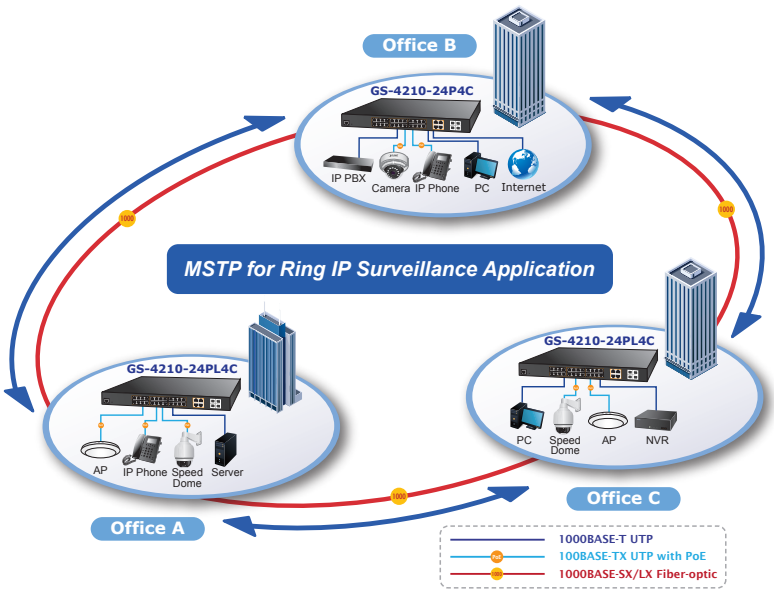
Layer 2/4 IPv4/IPv6 Managed Gigabit Switches

GS-4210 Series



PLANET GS-4210/WGSW switch series is perfectly designed for SMB and SOHO network infrastructures. Besides the hot IPv6 and IPv4 management, and abundant L2/L4 switching functions, the series of switch adopts the fanless and green technology to provide a quiet, energy saving, high-speed and reliable office network environment. It benefits the SMB and SOHO users as it is in the Gigabit network environment with a low cost of Fast Ethernet switches. The series of switch is quite suitable for the next generation network deployment and offers the lowest total cost of ownership. It is the best investment for business expansion or upgrading its network infrastructure.

- IEEE 802.1Q VLAN, Q-in-Q, Private VLAN and GVRP
- IEEE 802.1w RSTP, IEEE 802.1s MSTP and loop protection
- IGMP snooping v2 and v3, and MLD snooping
- QoS, Voice VLAN and bandwidth control
- Layer 2, 3 and 4 Access Control List
- IEEE 802.1X and RADIUS authentication
- IPv4 and IPv6 Web interface; Telnet; SNMP v1, v2c and v3; and SSH and SSL management
- PoE models support PD alive check, PoE schedule, scheduled power recycling and over temperature protection



GS-4210-16T2S

- 10/100/1000BASE-T port x 16
- 100/1000BASE-X SFP port x 2
- Fanless

GS-4210-24T2S

- 10/100/1000BASE-T port x 24
- 100/1000BASE-X SFP port x 2
- Fanless

GS-4210-48T4S

- 10/100/1000BASE-T port x 48
- 100/1000BASE-X SFP port x 4
- Fanless

WGSW-28040

- 10/100/1000BASE-T port x 28
- 100/1000BASE-X SFP port x 4
- Fanless

PoE Models

GS-4210-16P2S

- 10/100/1000BASE-T with 802.3at PoE+ port x 16
- 100/1000BASE-X SFP port x 2
- 220-watt PoE budget
- Up to 36 watts per PoE port

GS-4210-16P4C

- 10/100/1000BASE-T with 802.3at PoE+ port x 16
- 10/100/1000BASE-T port x 4
- 100/1000BASE-X SFP port x 4
- 220-watt PoE budget
- Up to 30 watts per PoE port

GS-4210-24P4C/GS-4210-24PL4C

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 10/100/1000BASE-T port x 4
- 100/1000BASE-X SFP port x 4
- 220/440-watt PoE budget
- Up to 30 watts per PoE port

GS-4210-24P2S

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 100/1000BASE-X SFP slots x 2
- 300-watt PoE budget
- Up to 30 watts per PoE port

GS-4210-48P4S

- 10/100/1000BASE-T with 802.3at PoE+ port x 48
- 100/1000BASE-X SFP port x 4
- 400-watt PoE budget
- Up to 36 watts per PoE port

Layer 2/4 IPv6 Desktop-size Managed Gigabit Switches



PLANET GSD & GS-4210 desktop Gigable Switch series, the smallest Managed Gigabit Switch in the networking industry, integrates with 8-port 10/100/1000BASE-T copper and 2 extra 100/1000BASE-X SFP fiber optic interfaces in a handheld size metal case, with powerful L2 and L4 network switching engine and advanced IPv6 and IPv4 management functions inside. Without space limitation, it is easy to install the desktop-size switches, ideal for communication closet or desktop. It is ready to bring superior usability and improves user experiences.

- IEEE 802.1Q VLAN, Q-in-Q, Private VLAN and GVRP
- IEEE 802.1w RSTP, IEEE 802.1s MSTP and loop protection
- IGMP snooping v2 and v3, and MLD snooping
- QoS, Voice VLAN and bandwidth control
- Layer 2, 3 and 4 Access Control List
- IEEE 802.1X and RADIUS authentication
- IPv4 and IPv6 Web interface; Telnet; SNMP v1, v2c and v3; and SSH and SSL management

GSD-1020S

- 10/100/1000BASE-T port x 8
- 100/1000BASE-X SFP port x 2
- 10-inch desktop size, 19-inch rack-mountable
- Internal power supply

GSD-1002M

- 10/100/1000BASE-T port x 8
- 100/1000BASE-X SFP port x 2
- 1 port supports 802.3af/at PoE DC 48~56V in-line power
- Compact size, wall-mount

PoE Models

GS-4210-8P2S

- 10/100/1000BASE-T with 802.3at PoE+ port x 8
- 100/1000BASE-X SFP port x 2
- 110-watt PoE budget
- 13-inch desktop size, 1U rack-mountable

GS-4210-8P2T2S

- 10/100/1000BASE-T with 802.3at PoE+ port x 8
- 10/100/1000BASE-T port x 2
- 100/1000BASE-X SFP port x 2
- 240-watt PoE budget
- 13-inch desktop size, 1U rack-mountable
- Smart fan design for silent operation

Layer 2 Unmanaged Gigabit Switches

- Auto MDI/MDIX on each port
- CSMA/CD protocol
- Store-and-Forward
- MAC address learning and aging
- Flow control to eliminate packet loss
- Auto-negotiation

GSW-1601

- 10/100/1000BASE-T port x 16
- 9K jumbo frame
- 8K MAC address table
- Fanless
- 19-inch, 1U rack-mountable



GSW-2401

- 10/100/1000BASE-T port x 24
- 9K jumbo frame
- 8K MAC address table
- Fanless
- 19-inch, 1U rack-mountable



GSD-503/GSD-803

- 10/100/1000BASE-T port x 5 (GSD-503)
- 10/100/1000BASE-T port x 8 (GSD-803)
- 9K jumbo frame
- Green networking for energy saving
- Made of metal



GSD-504/GSD-804

- 10/100/1000BASE-T port x 5 (GSD-504)
- 10/100/1000BASE-T port x 8 (GSD-804)
- 9K jumbo frame
- Green networking for energy saving
- Made from plastic



GSD-603F

- 10/100/1000BASE-T port x 5
- 1000BASE-X SFP port x 1
- 9K jumbo frame
- Made of metal



GSD-805

- 10/100/1000BASE-T port x 8
- 9K jumbo frame
- Internal power supply
- Desktop/wall-mount



GSD-1603

- 10/100/1000BASE-T port x 16
- 9K jumbo frame
- 8K MAC address table
- Fanless
- Desktop/wall-mount



Layer 2 Unmanaged Fast Enternet Switches

FSD-503/FSD-803

- 10/100BASE-TX port x 5 (FSD-503)
- 10/100BASE-TX port x 8 (FSD-803)
- One power button
- Made of metal



SW-504/SW-804

- 10/100BASE-TX port x 5 (SW-504)
- 10/100BASE-TX port x 8 (SW-804)
- 802.1Q VLAN transparency
- Made from plastic



FNSW-1601

- 10/100BASE-TX port x 16
- 8K MAC address table
- Green networking for energy saving
- 802.1Q VLAN transparency
- 19-inch, 1U rack-mountable



FNSW-2401

- 10/100BASE-TX port x 24
- 8K MAC address table
- Green networking for energy saving
- 802.1Q VLAN transparency
- 19-inch, 1U rack-mountable





PLANET Modbus TCP
Industrial Ethernet Switches

Providing Flexible Network Connectivity for Factory Automation

Easily Integrated with SCADA / HMI system

System information

- Device Name
- IP Address
- F/W Version
- MAC Address

Port information

- Port Status
- Port Description
- Port Speed

Packet information

- TX Statistics
- RX Statistics
- Error Statistics

Industrial Ethernet

Unique Flat-type Design for Easy Management

To facilitate the network deployment in any space-limited locations like wall enclosure or electric box found in buildings or outdoors, PLANET has the industrial Ethernet switches and wireless AP designed in a compact flat type. The products can be installed by fixed wall mounting, magnetic wall mounting or DIN rail, thereby making its usability more flexible.



Industry-leading Integration of PoE Technology and Renewable Energy

PLANET Industrial Renewable Energy PoE Switch utilizes the inexhaustible and natural source of energy, such as solar, wind and hydroelectric power to conserve energy, and incorporates 802.3at high power PoE technology to enable network deployment anywhere without any obstacles of geographical barrier. It greatly accelerates the installations of wireless LAN or IP surveillance systems in remote areas.



Modbus TCP Enables Flexible Network Connectivity for Factory Automation

With the supported Modbus TCP/IP protocol, PLANET Modbus TCP Ethernet Switches can easily integrate with SCADA systems, HMI systems and other data acquisition systems in factory floors. It enables administrators to remotely monitor the industrial Ethernet switch's operating information, port information and communication status, thus achieving enhanced monitoring and maintenance of the entire factory.



EN50155 Ready for Intelligent Transportation Systems

Bringing uninterrupted operation and reliable network transmission for rolling stock applications, PLANET EN50155 compliant Industrial Ethernet Switches provide waterproof M12/RJ45 interfaces and guarantee stable Ethernet operation performance under high vibration and shock environment. The switches also feature wide-ranging operating temperature, redundant ring recovery, and intelligent PoE PD and power management functions, ensuring the highest level of reliability for mission-critical applications in any difficult environment.



Layer 3 and Layer 2 Industrial Managed Gigabit Switches

PLANET Industrial Ethernet Switches are industrially hardened to be specially designed to operate reliably in electrically harsh and climatically demanding environment. PLANET Layer 3 and Layer 2 Industrial Managed Switches, with model names starting with IGS or IGSW, include Managed Switches, Unmanaged Switches and PoE Switches. They all support full Gigabit port. The capital 'T' in the model name means that the product can support and operate under wide-ranging temperature from -40 to 75 degrees C.

Redundant Ring and Fast Recovery for Surveillance System

The IGS and IGSW series feature strong, rapid self-recovery capability to prevent interruptions and external intrusions. It incorporates advanced ITU-T G.8032 ERPS (Ethernet Ring Protection Switching) technology, Spanning Tree Protocol (802.1s MSTP), and redundant power input system into customer's industrial automation network to enhance system reliability and uptime in harsh factory environments. In certain simple ring network, the recovery time of data link can be as fast as 20ms.

IGS-5225-20T4C2X

- 24-port 10/100/1000BASE-T
- 4-port 100/1000BASE-X SFP
- 2-port 1/10GBASE-X SFP+
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported
- DI and DO supported
- 19-inch, 1U rack-mountable
- 100~240V AC and 36~60V DC redundant power system

10G



IGS-5225-16T4S

- 16-port 10/100/1000BASE-T
- 4-port 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- DI and DO supported
- ERPS ring supported
- 19-inch, 1U rack-mountable
- 100~240V AC and 36~60V DC redundant power system

Modbus TCP



IGSW-24040T

- 24-port 10/100/1000BASE-T
- 4-port 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- DI and DO supported
- ERPS ring supported
- 19-inch, 1U rack-mountable
- 100~240V AC and 36~60V DC redundant power system



IGS-5225-8T2S2X

- 8-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- 2-port 10G BASE-X SFP+
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- IEEE 1588 supported
- Static route supported
- -40~75 degrees C wide operating temperature
- DI and DO supported

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10G Modbus TCP

IGS-20040MT/IGS-12040MT

- 16/8-port 10/100/1000BASE-T
- 4-port 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported
- DI and DO supported



IEEE 1588 Modbus TCP

IGS-10020MT

- 8-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported



Modbus TCP

IGS-10080MFT

- 8-port 100/1000BASE-X SFP
- 2-port 10/100/1000BASE-T
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported



IGS-5225-4T2S

- 4-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported



Modbus TCP

IGS-801M

- 8-port 10/100/1000BASE-T
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP Snooping
- Loop protection



Layer 2 Industrial Gigabit Switches

PLANET advanced industrial hardened Ethernet Switch series comes with a slim type, IP30 metal case. The compact IP30 standard metal case allows either DIN rail or wall mounting for efficient use of cabinet space. The capital 'T' in the model name means that the product can support and operate under wide-ranging temperature from -40 to 75 degrees C.

The Layer 2 Industrial Switch series incorporates redundant power supply system into customer's industrial automation network to enhance system reliability and uptime in the factory harsh environments. It protects customer's industrial network connectivity with power redundant ability. They provide IP30 metal case and 100BASE-FX port or Gigabit TP/SFP combo interfaces for long-distance uplink.

IGS-500T

- 5-port 10/100/1000BASE-T
- -40 to 75 degrees C wide-ranging temperature
- IP30 metal case
- EEE

Compact Size



IGS-501T

- 5-port 10/100/1000BASE-T
- -40 to 75 degrees C wide-ranging temperature
- IP30 metal case



IGS-801T

- 8-port 10/100/1000BASE-T
- -40 to 75 degrees C wide-ranging temperature
- IP30 metal case
- EEE



IGS-620TF

- 4-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP (DIP control)
- -40 to 75 degrees C wide-ranging temperature
- IP30 metal case
- Dual SFP ports with auto link redundancy via DIP selection



IGS-1020TF

- 10/100/1000BASE-T x 8 ports
- 100/1000BASE-X SFP x 2 ports
- IEEE 802.3az EEE Protocol based power saving
- 12 ~ 48V DC, 24V AC redundant power
- -40 to 75 degree C operating temperature
- IP 30 metal case, DIN rail and wall mount design



IGT-1205AT

- 1-port 10/100/1000BASE-T
- 2 x SFP interfaces compatible with 100FX/1000SX/LX (DIP control)
- -40 to 75 degrees C wide-ranging temperature
- IP30 metal case
- Dual SFP ports with auto link redundancy via DIP selection



Layer 2 Industrial Fast Ethernet Switches

ISW-500T/ISW-800T

- 5/8-port 10/100BASE-TX
- -40 to 75 degrees C operating temperature
- IP30 metal case
- EEE

Compact Size



ISW-501T/ISW-801T

- 5/8-port 10/100BASE-TX
- -40 to 75 degrees C wide operating temperature
- IP30 metal case
- EEE



ISW-511T/ISW-511TS15

- 4-port 10/100BASE-TX
- 1-port 100BASE-FX
- Supports multi-mode fiber, 2km/15km distance
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



ISW-621T/ISW-621TS15

- 4-port 10/100BASE-TX
- 2-port 100BASE-FX
- Supports multi-mode fiber, 2km/15km distance
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



ISW-621TF

- 4-port 10/100BASE-TX
- 2-port 100BASE-FX SFP
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



Layer 2 Industrial Managed Gigabit PoE Switches

PLANET Industrial Managed PoE Switch series in-line power follows standard IEEE 802.3af, IEEE 802.3at or IEEE 802.3bt and is able to give power to PoE compliant devices at the distance up to 100 meters through the 4-pair Cat. 5/5e UTP wire. With data and Power over Ethernet from one unit, the industrial PoE series can reduce cable deployment and eliminate the need for dedicated electrical outlets on the wall, ceiling or any unreachable place. Carrying PLANET's uniquely Intelligent PoE Functions such as PoE schedule, scheduled power recycling and PD alive check, the Industrial Managed PoE Switch Series greatly enhances the efficiency of network management and helps to save power and cost for the hardened network.

IGS-5225-24P4S

- 24-port 10/100/1000BASE-T with 802.3at PoE+
- 4-port shared 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature
- DI and DO supported
- 19-inch, 1U rack-mountable

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Modbus TCP



IGS-20160HPT

- 16-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature
- DI and DO supported

Modbus TCP



IGS-5225-8P2S2X

- 8-port 10/100/1000BASE-T with 802.3at PoE+
- 240-watt PoE budget/remote PoE power control
- -40 ~ 75 degrees C wide operating temperature
- 48 ~ 56V DC redundant power design
- IEEE 802.1w/1s STP, IEEE 802.1Q VLAN and IGMP snooping v2 and v3
- ERPS ring supported
- Static route supported
- DI and DO supported

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10G

Modbus TCP



IGS-5225-8P4S

- 8-port 10/100/1000BASE-T with 802.3at PoE+
- 4-port 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported
- -40~75 degrees C wide operating temperature
- DI and DO supported

IEEE 1588

Modbus TCP



IGS-10020HPT

- 8-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature
- DI and DO supported

Modbus TCP

Power Boost



IGS-10020PT

- 8-port 10/100/1000BASE-T with 802.3af PoE
- 2-port 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature
- DI and DO supported

Modbus TCP



IGS-5225-4UP1T2S

- 4-port 10/100/1000BASE-T with 802.3bt/802.3at PoE
- 1-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature
- DI and DO supported

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UPoE 75W

Modbus TCP



IGS-4215-8P2T2S

- 8-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- -40 to 75 degrees C wide operating temperature



IGS-4215-4P4T2S/IGS-4215-4P4T

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 4-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6/IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- -40 to 75 degrees C wide operating temperature



Layer 2 Industrial Web Smart PoE Switches

ISW-504PS

- 4-port 10/100BASE-TX with 802.3af PoE
- 1-port 10/100BASE-TX
- -10 to 60 degrees C operating temperature
- IP30 metal case



ISW-514PS/ISW-514PS15

- 4-port 10/100BASE-TX with 802.3af PoE
- 1-port 100BASE-FX multi-mode / single port fiber optic, 2/15km
- -10 to 60 degrees C operating temperature
- IP30 metal case



ISW-514PSF

- 4-port 10/100BASE-TX with 802.3af PoE
- 1-port 100BASE-FX SFP
- -10 to 60 degrees C operating temperature
- IP30 metal case



Layer 2 Industrial PoE Switches/Extenders

PLANET industrial PoE switch series in-line power follows standard IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt and is able to give power to PoE compliant devices at the distance up to 100 meters through the 4-pair CAT5/5e UTP wire. As un-managed industrial PoE switch offers very easy-to-use Power over Ethernet function, customer just needs to connect their PoE device to un-managed industrial PoE switch, and just plug and play.

ISW-504PT

- 4-port 10/100BASE-TX with 802.3af PoE
- 1-port 10/100BASE-TX
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



ISW-514PTF

- 4-port 10/100BASE-TX with 802.3af PoE
- 1-port 100BASE-FX SFP
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IFGS-1022HPT

- 8-port 10/100BASE-TX with 802.3at PoE+
- 2-port Gigabit TP/SFP combo for uplink
- 240-watt PoE budget
- -40 to 75 degrees C wide operating temperature
- IP30 metal case
- 250m in distance with 30-watt power output in Extend mode



IGS-504HPT

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 1-port 10/100/1000BASE-T
- Smart PoE power usage LED indicator
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IGS-624HPT

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 100/1000BASE-X SFP (DIP Control)
- Dual SFP Ports Auto Link Redundant
- Mode supported
- Smart PoE power usage LED indicator
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IPOE-E174

- Forwards both Ethernet data and in-line power to 4 remote devices
- 1-port ultra Power over Ethernet PD
- 4-port IEEE 802.3af/at Power over Ethernet/ end-span PSE
- Supports PoE output power up to 30.8 watts for each PoE port
- Extends the range of PoE for an additional 100 meters (328ft.)
- -40 to 75 degrees C wide operating temperature



IPOE-E202

- IP63 aluminum case, outdoor installation
- Waterproof/dustproof RJ45 Ethernet connector
- 1-port IEEE 802.3at PoE PD
- 2-port IEEE 802.3at PoE PSE
- Complies with IEEE 802.3at Power over Ethernet mid-span
- Max. total PoE budget up to 25 watts
- -40 to 75 degrees C operating temperature
- Extends Cat.5 cable installations to beyond 100 meters



IPOE-E172

- IP63 aluminum case, outdoor installation
- Waterproof/dustproof RJ45 Ethernet connector
- 1-port IEEE 802.3bt/Ultra PoE PD
- 2-port IEEE 802.3bt/at PoE PSE
- Complies with IEEE 802.3at Power over Ethernet mid-span
- Max. total PoE budget up to 60~95 watts
- -40 to 75 degrees C operating temperature
- Extends Cat.5 cable installations to beyond 100 meters





EN50155 ITS Ethernet Network Solution

IGS-5227-4MP2MT

- IP67 aluminum case, outdoor installation
- Waterproof and dustproof M12 Ethernet connector against vibration and shock
- -40 to 75 degrees C wide operating temperature
- 24~48V DC redundant power design
- 144-watt PoE budget/remote PoE power control
- PoE schedule, scheduled rower recycling and PD alive check functions
- ERPS Ring Data Recovery time < 50ms
- IPv4/IPv6 Layer 3 static routing and route summarization

M12 | Power Boost



IGS-604HPT-M12

- IP67 aluminum case, outdoor installation
- Waterproof and dustproof M12 Ethernet connector against vibration and shock
- -40 to 75 degrees C wide operating temperature
- 48~56V DC redundant power design
- 144-watt PoE budget/remote PoE power control
- PoE Schedule, Scheduled Power Recycling and PD Alive Check functions
- ERPS Ring Data Recovery time < 50ms
- IPv4/IPv6 Layer 3 static routing and route summarization

M12 | 802.3at PoE



IGS-604HPT-RJ

- IP67 aluminum case, outdoor installation
- Waterproof/dustproof RJ45 Ethernet connector
- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 10/100/1000BASE-T
- PD alive check, scheduled power recycling and time-based PoE schedule
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature

TAIWAN EXCELLENCE 2015

RJ45 | 802.3at PoE



IGS-5226-4P2T

- IP50 metal case
- IEEE 1588 and synchronous Ethernet network timing
- IPv6/IPv4 Layer 3 static routing and route summarization
- 144-watt PoE budget, remote PoE power control
- 48~56V DC redundant power design
- ERPS Ring Data Recovery time < 50ms
- -40 to 75 degrees C wide operating temperature

M12 | 802.3at PoE



IGS-5227-6MT/IGS-5227-6MT-X

- IP67 aluminum case, outdoor installation
- Waterproof and dustproof M12 Ethernet connector against vibration and shock
- -40 to 75 degrees C wide operating temperature
- 12~48V DC redundant power design
- ERPS Ring Data Recovery time < 50ms
- IPv4/IPv6 Layer 3 static routing and route summarization

M12



IGS-5227-6T

- IP67 aluminum case, outdoor installation
- Waterproof/dustproof RJ45 Ethernet connector
- 6-port 10/100/1000BASE-T
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature

RJ45



ISW-804PT-M12

- 8-port 10/100BASE-TX with 802.3af PoE
- IP67 metal case
- Robust M12 Ethernet connector
- -40 to 75 degrees C wide operating temperature

TAIWAN EXCELLENCE 2012

M12 | 802.3af PoE



ISW-800T-M12

- 8-port 10/100BASE-TX
- IP67 metal case
- Robust M12 Ethernet connector
- Waterproof and dustproof
- -40 to 75 degrees C wide operating temperature

M12



Shockproof Design



Layer 2 Industrial Flat-type Ethernet Switches

WGS-5225-8P2SV

- 2.4-inch color LCD touch screen with management functions
- 8-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 100/1000BASE-X SFP
- 802.1Q VLAN, MSTP and IGMP Snooping
- ERPS ring and IEEE 1588 supported
- Static route supported
- Modbus TCP
- PoE schedule, scheduled power recycling, PD alive check



WGS-5225-8T2SV

- 2.4-inch color LCD touch screen with management functions
- 8-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- 802.1Q VLAN, MSTP and IGMP Snooping
- ERPS ring and IEEE 1588 supported
- Static route supported
- Modbus TCP



WGS-5225-8P2S

- 8-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 100/1000BASE-X SFP
- 802.1Q VLAN, MSTP and IGMP Snooping
- ERPS ring and IEEE 1588 supported
- Static route supported
- Modbus TCP
- PoE schedule, scheduled power recycling, PD alive check



WGS-4215-8P2S

- 8-port 10/100/1000T with 802.3at PoE+
- 2-port 100/1000X SFP
- -40 to 75 degrees C wide operating temperature
- 48~56V DC dual power input
- 200-watt PoE budget, up to 8 PoE port
- PD alive check, scheduled power recycling and time-based PoE schedule
- IPv6 and IPv4 Web; Telnet; SNMPv1, v2c, v3; SSH/SSL management
- QoS, bandwidth control, storm control, Layer 3/4 access control list
- STP/RSTP/MSTP, LACP



WGS-4215-8T2S

- 8-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- -40 to 75 degrees C wide operating temperature
- 24V AC and 12~48V DC redundant power
- Compact size, magnetic wall mount and DIN-rail design
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping



WGS-4215-8T

- 8-port 10/100/1000BASE-T
- -40 to 75 degrees C wide operating temperature
- 24V AC and 12~48V DC redundant power
- Compact size, magnetic wall mount and DIN-rail design
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping



WGS-804HPT

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 4-port 10/100/1000BASE-T
- -40 to 75 degrees C wide operating temperature
- 48~56V DC redundant power
- Compact size, magnetic wall mount and DIN-rail design
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- LED indicators for PoE usage and status



WGS-804HP

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 4-port 10/100/1000BASE-T
- -10 to 60 degrees C operating temperature
- 48~56V DC redundant power
- Compact size, magnetic wall mount and DIN-rail design
- LED indicators for PoE usage and status



WGS-803

- 8-port 10/100/1000BASE-T
- -10 to 60 degrees C operating temperature
- 24V AC and 12~48V DC redundant power
- Compact size, magnetic wall mount and DIN-rail design



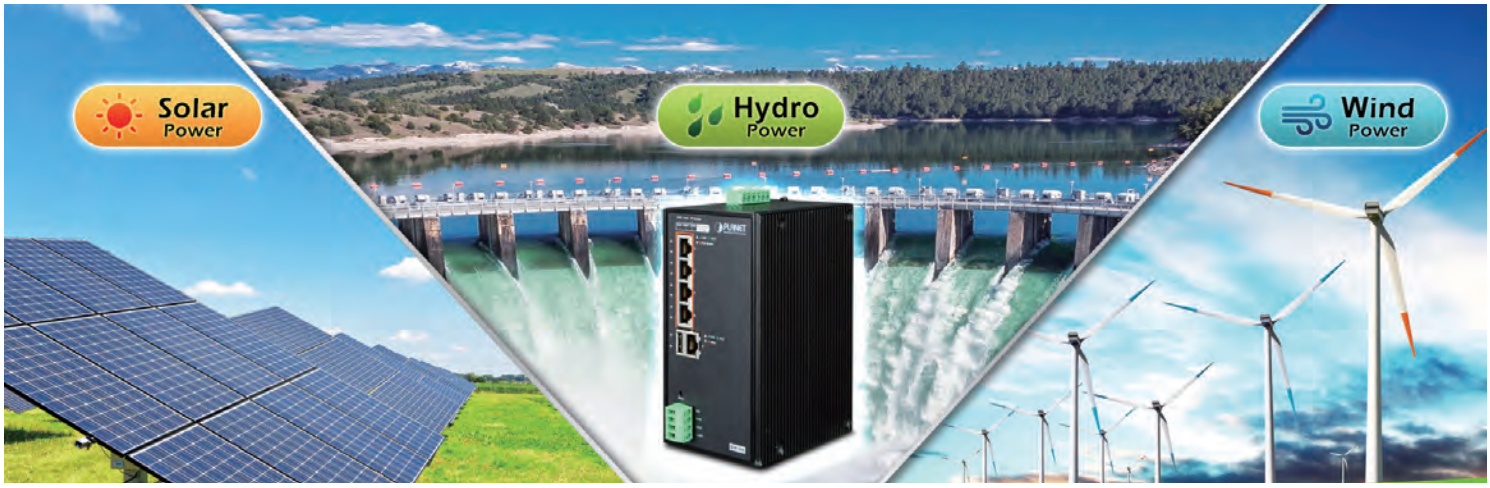
Industrial Flat-type Wireless Access Point

WDAP-W7200AC

1200Mbps 802.11ac Wireless AP

- Simultaneous dual-band connectivity in 2.4GHz 300Mbps and 5GHz 867Mbps
- Gigabit Ethernet port, 802.3at PoE/PD supported
- Supports 10 multiple-SSIDs
- Multiple operation modes: AP, Client, WDS, Universal Repeater
- Supports PLANET AP controllers for wirelessly centralized management





Renewable Energy PoE Switches

BSP-300

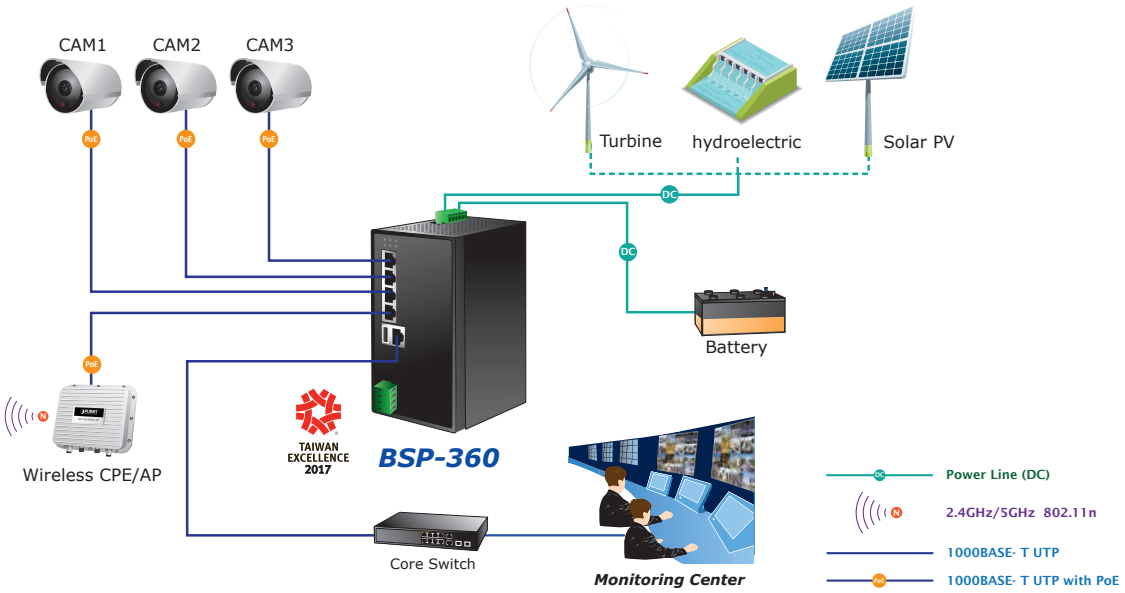
- 2-port 10/100/1000BASE-T with 802.3at PoE+
- 1-port 10/100/1000BASE-T
- 1 24V DC power output terminal block
- -20~60 degrees C operating temperature
- Integrated with solar PV and battery for easy installation



BSP-360

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 1-port 10/100/1000BASE-T
- 1 24V DC power output terminal block
- -20~60 degrees C operating temperature
- Integrated with solar PV, wind, hydroelectric power and battery for easy installation
- Web interface for remote management
- USB backup





BSP-360 Remote Management



Industrial Ethernet Extenders

IVC-2002

- Long reach Ethernet and extended transmission distance:
  – Up to 2.4km (7,874 ft) over coaxial cable
  – Up to 1.4km (4,593 ft) over twisted phone wire
- Up to 95Mbps transmission performance under 200m (656 ft)
- -40 to 75 degrees C wide-ranging operating temperature
- 12~48V DC redundant power
- IP30 metal case



IVC-234GT

- Long reach Ethernet and extended transmission distance:
  – Up to 1.2km (3,937 ft) over coaxial cable
  – Up to 1.2km (3,937 ft) over twisted phone wire
- Up to 200Mbps/100Mbps transmission performance under 200m (656 ft)
- -40 to 75 degrees C wide-ranging operating temperature
- 12~48V DC redundant power
- IP30 metal case
- 4-port 10/100/1000BASE-T Gigabit LAN



Industrial PoE Injectors & Splitters

IPOE-162

- 10/100/1000BASE-T
- Distance up to 100m with 30W power output
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IPOE-162S

- 10/100/1000BASE-T
- 12/24V DC power output by DIP switch
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IPOE-171

- 10/100/1000BASE-T
- Distance up to 100m with 95W power output
- -40 to 75 degrees C wide operating temperature
- IP30 metal case

UPoE 95W



IPOE-171S

- 10/100/1000BASE-T
- 12/24V DC power output by DIP switch
- -40 to 75 degrees C wide operating temperature
- IP30 metal case

UPoE 95W



Industrial PoE Media Converters

PLANET Industrial PoE Media Converter series combines Ethernet media conversion (from 1000BASE-X to 10/100/1000BASE-T) with 802.3at PoE+ injector delivered in an IP30 rugged strong case. With data and power over Ethernet from one unit, the Industrial PoE Media Converter series can reduce cable deployment and eliminate the need for dedicated electrical outlets on the wall, ceiling or any unreachable place.

IGTP-802T

- 1-port 10/100/1000BASE-T with 802.3at PoE+
- 1-port 1000BASE-SX multi-mode, 220/550 meters
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IGTP-802TS

- 1-port 10/100/1000BASE-T with 802.3at PoE+
- 1-port 1000BASE-LX single mode, 10km
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IGTP-805AT

- 1-port 10/100/1000BASE-T with 802.3at PoE+
- 1-port 1000BASE-X SFP
- -40 to 75 degrees C wide operating temperature
- IP30 metal case
- 100BASE-FX SFP transceiver compatible



Industrial Fiber over Ethernet Media Converters

PLANET Industrial Fiber over Ethernet Media Converter Solution is designed to withstand extreme temperatures to ensure stable operations in harsh industrial conditions. It also provides the dynamic status report and real-time alarm messages that make monitoring and managing the entire industrial networks easy.

PLANET provides the Industrial Media Converters with various fiber-optic interfaces to convert signals via 10G, Gigabit, and Fast Ethernet ports.

- IXT series – allows the signal to convert between fiber-optic interface and 10G port
- IGT series – allows the signal to convert between fiber-optic interface and Gigabit Ethernet port
- IFT series – allows the signal to convert between fiber-optic interface and Fast Ethernet port

Industrial 10GBASE-X Fiber over Ethernet Media Converters

IXT-705AT

- Complies with IEEE 802.3ae 10GBASE-R
- NBASE-T featuring adaptive rate operation
- 100 meters over Cat 6A at 10Gbps
- -40~75 degrees C wide operating temperature
- IP30 metal case
- Low power consumption



Industrial 1000BASE-X Fiber over Ethernet Media Converters

IGT-905A

- 1-port 1000BASE-X SFP fiber optic
- 1-port 10/100/1000BASE-T
- 12~48V DC redundant power
- -30 to 75 degrees C operating temperature
- IP30 metal case
- IPv4 Web management
- 802.1Q VLAN
- Storm control and bandwidth control



IGT-1205AT

- 2-port 100/1000BASE-X SFP fiber optic
- 1-port 10/100/1000BASE-T
- 12~48V DC redundant power
- -30 to 75 degrees C operating temperature
- IP30 metal case



IGT-805AT

- 1-port 100/1000BASE-X SFP fiber optic
- 1-port 10/100/1000BASE-T
- 12~48V DC redundant power
- -30 to 75 degrees C operating temperature
- IP30 metal case



Industrial 100BASE-X Fiber over Ethernet Media Converters

IFT-802T

- 1-port 100BASE-FX SC multi-mode, 2km fiber optic
- 1-port 10/100BASE-TX
- 12~48V DC redundant power
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IFT-802TS15

- 1-port 100BASE-FX SC single mode, 15km fiber optic
- 1-port 10/100BASE-TX
- 12~48V DC redundant power
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



IFT-805AT

- 1-port 100BASE-FX SFP fiber optic
- 1-port 10/100BASE-TX
- 12~48V DC redundant power
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



Industrial RS232/RS485/RS422 over Ethernet Media Converters

PLANET Layer 2 Industrial Serial over Ethernet, with model names starting with ICS series, mean the signal converts between RS232/485/422 interface and Ethernet port or fiber-optic port. It also provides the dynamic status report and real-time alarm messages that are easy to monitor and manage the entire industrial networks.

ICS-2100

- 1-port 10/100BASE-TX
- 1 RS232 with DB9 interface
- 1 RS485 or RS422 with terminal block interface
- 24V AC and 12~48V DC redundant power
- -10 to 60 degrees C operating temperature
- IP30 metal case



ICS-2102

- 1-port 100BASE-FX SC, 2km fiber optic
- 1 RS232 with DB9 interface
- 1 RS485 or RS422 with terminal block interface
- 24V AC and 12~48V DC redundant power
- -10 to 60 degrees C operating temperature
- IP30 metal case



ICS-2105A

- 1-port 100BASE-FX SFP fiber optic
- 1 RS232 with DB9 interface
- 1 RS485 or RS422 with terminal block interface
- 24V AC and 12~48V DC redundant power
- -10 to 60 degrees C operating temperature
- IP30 metal case



Industrial RS422/RS485 Modbus Gateway

To fulfill the demand of automation and data exchange for industrial 4.0 infrastructures, PLANET IMG serial Modbus Gateway can act as a conversion bridge between the industrial equipment with the Modbus RTU/ASCII Protocol and the administrator workstations that run the Modbus TCP/IP Protocol.

IMG-110T

- One RS422/RS485 port
- Built-in IP-based Web interface and telnet interface for remote management
- RTU Master, RTU Slave, ASCII Master, and ASCII Slave operation modes
- 9-48V DC power input
- -40 to 75 degrees C operating temperature
- IP40 metal case



IMG-120T

- Two RS422/RS485 ports
- Built-in IP-based Web interface and telnet interface for remote management
- RTU Master, RTU Slave, ASCII Master, and ASCII Slave operation modes
- 9-48V DC power input
- -40 to 75 degrees C operating temperature
- IP40 metal case



Industrial Cellular Gateway

ICG-2420-LTE

- Dual SIM cards for 3G/4G cellular network redundancy
- 3 10/100TX LAN ports and 1 10/100TX WAN port
- 2 DI and 1 DO ports, 2 RS232 and 1 RS485 serial ports
- Supports OpenVPN, IPSec
- -20 to 70 degrees C operating temperature
- IP40 aluminum case, DIN rail and fanless design



ICG-2420G-LTE

- GPS and Google map supported
- Dual SIM cards for 3G/4G cellular network redundancy
- 3 10/100TX LAN ports and 1 10/100TX WAN port
- 2 DI and 1 DO ports, 2 RS232 and 1 RS485 serial ports
- Supports OpenVPN, IPSec
- -20 to 70 degrees C operating temperature
- IP40 aluminum case, DIN rail and fanless design



DIN-rail Power Supplies

As Industrial Ethernet equipment is specially designed for the harsh working environment, sometimes it is hard to find suitable DC voltage power source for the industrial Ethernet devices. To conquer this limit, the DC Single Output Industrial DIN-rail Power Supply Units accept universal 100-240 AC input voltage or DC input and provide 24V/48V DC power output with various watt values. The Power Supply units are designed in compact size and can be installed on DIN rail TS-35/7.5 or 15. It is an ideal and convenient DC power feeding solution for industrial equipment under heavy industrial environments.

PWR-40-24

- 100~240V AC, 50/60Hz, 1.1A input voltage
- Power output 40 watts, 24V, 1.7A
- DIN rail TS-35/7.5 or 15
- -20 ~ 70 degrees C operating temperature



PWR-60-24

- 100~240V AC, 50/60Hz, 1.8A input voltage
- Power output 60 watts, 24V, 2.5A
- DIN rail TS-35/7.5 or 15
- -20 ~ 70 degrees C operating temperature



PWR-75-24

- 100~240V AC, 50/60Hz, 2A input voltage
- Power output 75 watts, 24V, 3.2A
- DIN rail TS-35/7.5 or 15
- -10 ~ 60 degrees C operating temperature



PWR-75-48

- 100~240V AC, 50/60Hz, 1.45A input voltage
- Power output 75 watts, 48V, 1.6A
- DIN rail TS-35/7.5 or 15
- -20 ~ 70 degrees C operating temperature



PWR-120-48

- 100~240V AC, 50/60Hz, 2.25A input voltage
- Power output 120 watts, 48V, 2.5A
- DIN rail TS-35/7.5 or 15
- -20 ~ 70 degrees C operating temperature



PWR-240-48

- 100~240V AC, 50/60Hz, 2.5A input voltage
- Power output 240 watts, 48V, 5A
- DIN rail TS-35/7.5 or 15
- -20 ~ 70 degrees C operating temperature



PWR-480-48

- 100~240V AC, 50/60Hz, 4.8A input voltage
- Power output 480 watts, 48V, 10A
- DIN rail TS-35/7.5 or 15
- -20 ~ 70 degrees C operating temperature





60-95W Ultra PoE Solution

Managed Switches / Hubs / Extenders / Injectors / Splitters

High Power Consuming Applications



IP Surveillance



POS System



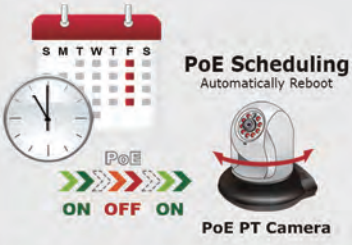
PoE Lighting



1 Ultra Power PoE in for 4 PoE Devices



Workable for non-PoE Devices



Unique Intelligent Functions

Power over Ethernet

Enhanced Power Budget

PLANET PoE Solution provides full power budget to satisfy the increasing needs for power consumption of powered devices, such as wireless APs, IP phones, and IP cameras. Their IP-based, remote Web management interfaces also provide an effective central power management solution to monitor and control per port power feeding of deployed powered devices. PLANET PoE Solution with high power capability helps realize commercial-grade and industrial-grade network applications.



Intuitive PoE Management via Touch LCD

PLANET has developed the world's first PoE Managed Switch series with intuitive color touch LCD interface to allow the network management in real time without logging in to the computer, greatly enhancing the management efficiency. The network system, PoE PDs, and even the cable diagnostics can be easily managed through this cutting-edge user-friendly touch LCD panel built in the PoE Switches. Moreover, the Color Touch LCD PoE Switch supplies 10G data transmission capability, high power PoE from IEEE 802.3af/at 30-watt to 60~95-watt ultra power, intelligent PoE functions, and unique ONVIF support to promote the network performance for SMEs, enterprises, public places and industrial hardened environments.



Uniquely Intelligent PoE Management for Power Saving

In order to support users to conveniently manage the PoE system or end-span devices in the client site, PLANET has developed a unique and user-friendly Intelligent PoE Management function which effectively assists the IT managers in improving the efficiency of management, saving the cost of maintenance, and extending the life of products.



PoE Intelligent Temperature Detection and Control function automatically detects the temperature of the environment and operating product. If the operating product is over normal temperature, this function will be enabled automatically to prevent the product from damage.



The **PoE Power Detection function** improves the working efficiency of IT manager. IT manager can check the total power consumption of all connected devices and power consumption of each connected device. In order to prevent connected devices from damage, this function is automatically enabled.



Extending IP Networking Transmission

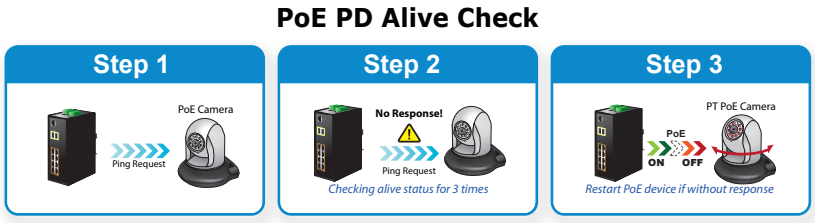
For long distance of IP networking transmission, PLANET integrated wireless and wired technologies, such as Ethernet, fiber and coaxial cables, with Power over Ethernet to deploy reliable IP networking fast and easily in any environments.

Intelligent PoE
Management Functions



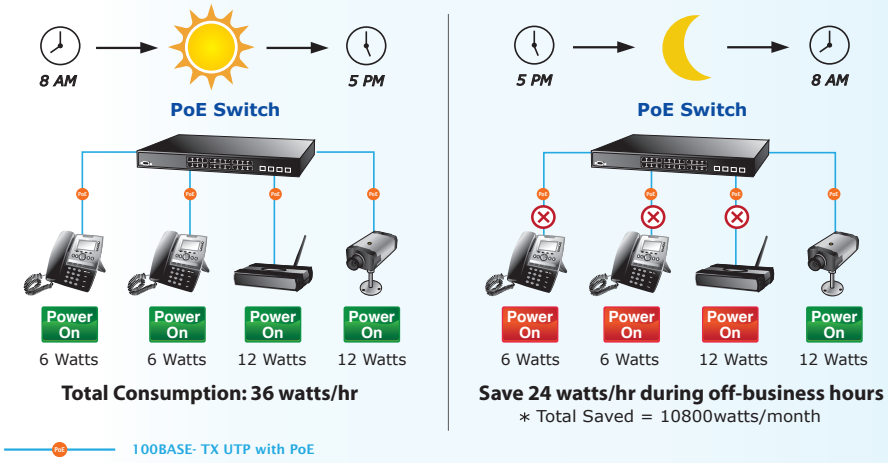
Intelligent Powered Device Alive Check

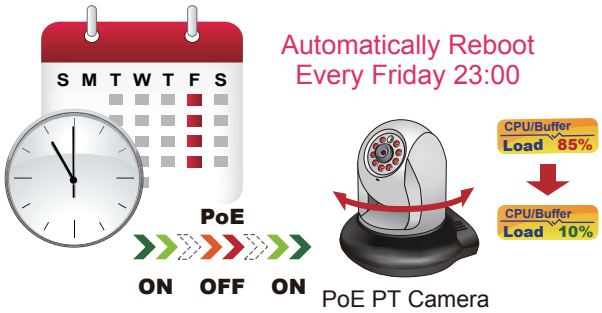
PLANET PoE switches can be configured to monitor connected PD (Powered Device) status in real time via ping action. It will greatly enhance the network reliability through the PoE port resetting the PD's power source and reducing administrator management burden.



PoE Schedule for Energy Saving

The "PoE schedule" function helps you to enable or disable PoE power feeding for each PoE port during specified time intervals and it is a powerful function to help SMBs or enterprises save power and money.



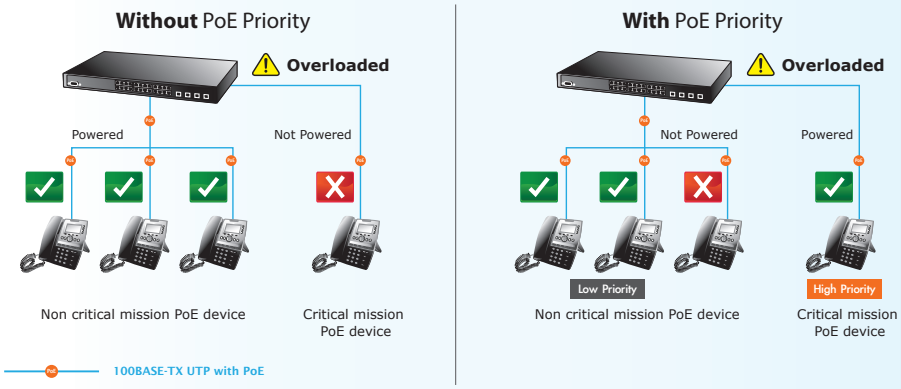


Scheduled Power Recycling

PLANET PoE switches allow each of the connected PoE IP cameras or PoE wireless access points to reboot at a specific time each week. Therefore, it will reduce the chance of IP camera or AP crash resulting from buffer overflow.

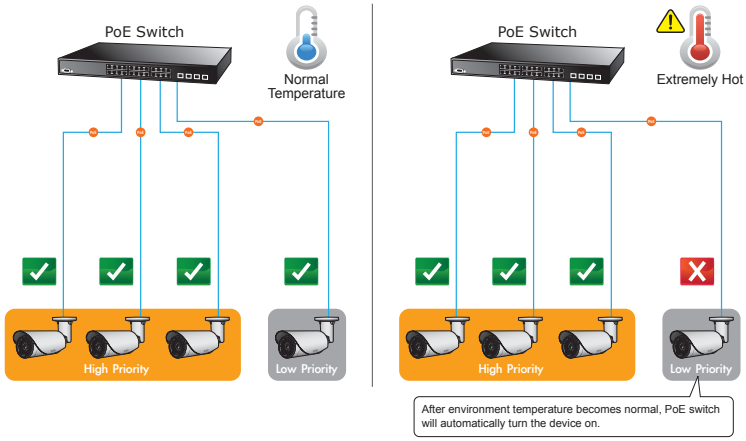
PoE Priority for Critical Service

The PoE power budget can be allocated by priorities or classification and sent alert event logs when power usage reaches the defined threshold.



PoE Over Temperature Protection

The automatic Over Temperature Protection helps to prevent power budget overloading while the temperature rises.



PoE Usage Monitoring

Via the power usage chart in the web management interface, PLANET PoE switches enable the administrator to monitor the status of the power usage of the connected PDs in real time.





SMTP/SNMP Trap Event Alert

Though most NVR or camera management software offers SMTP email alert function, PLANET PoE Switches further provide event alert function to help to diagnose the abnormal device owing to whether or not there is a break of the network connection, loss of PoE power or the rebooting response by PD Alive Check process.

Layer 3 802.3at PoE+ Stackable Managed Switch



SGS-6340-24P4S

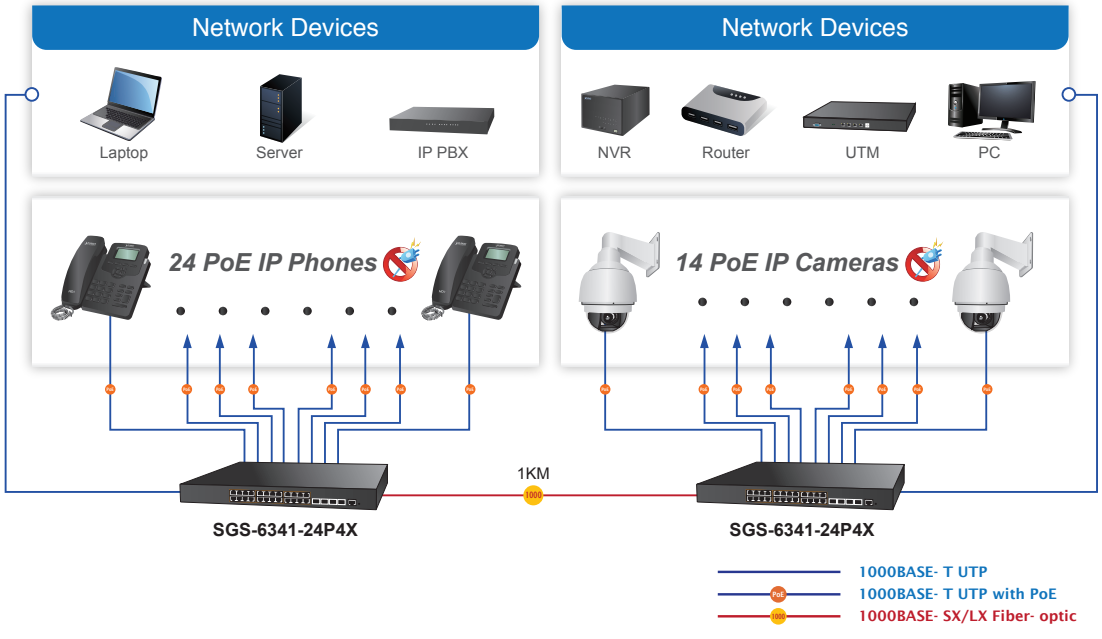
- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 1000BASE-X SFP port x 4
- 370-watt PoE budget
- Smart fan design for silent operation

SGS-6341-24P4X

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 10GBASE-X SFP+ port x 4
- 370-watt PoE budget

PLANET SGS-6341-24P4X is a Layer 3 PoE Stackable Managed Gigabit Switch that provides high-density performance, Layer 3 static routing, RIP (Routing Information Protocol) and OSPF (Open Shortest Path First). With the four built-in SFP+ slots performing up to 128Gbps switching fabric, the SGS-6341-24P4X can handle extremely large amounts of data in a secure topology linking to an enterprise backbone or high capacity servers. The powerful WRR (Weighted Round Robin) and Network Security features make the SGS-6341-24P4X perform effective data traffic control for ISP and enterprise VoIP, video streaming, and multicast applications. The SGS-6341-24P4X has 24 IEEE 802.3at PoE+ ports and PoE budget up to 370 watts for catering to medium to large scale of VoIP or IP Surveillance networks at a lower total cost.

- Complies with IEEE 802.3at Power over Ethernet Plus, end-span PSE
- Supports PoE power up to 30 watts for each PoE port
- Remote PoE Power management and monitoring
- IP routing protocol: IPv4/IPv6 Layer 3 Static Routing, RIP and OSPF
- Single IP address management, supporting up to 24 units stacked together
- IEEE 802.1Q VLAN, Private VLAN, Q-in-Q and Voice VLAN
- Layer 2, 3 and 4 Access Control List
- Quality of Service (QoS)
- IEEE 802.1D/1w/1s Spanning Tree Protocol
- IGMP Snooping v1, v2 & v3 and querier mode
- Management interface – console, telnet, IPv6 and IPv4 Web, SNMP v1, v2c and v3, SSL and SSH



Touch LCD 10G Layer 2+ 802.3at/bt PoE Managed Gigabit Switches

TAIWAN EXCELLENCE 2018



Intuitive LCD for Efficient Management

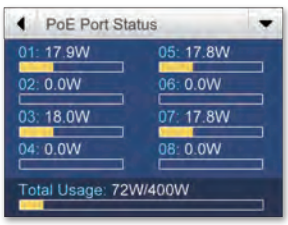
PLANET GS-5220 Smart LCD Layer 2+ 802.3at/bt PoE Managed Gigabit Switches provide an intuitive touch panel on their front panels that facilitate the Ethernet management and PoE PD management.

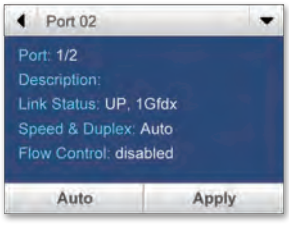
- IP address, VLAN and QoS configuration
- PoE management and status
- Port management and status/SFP information
- Troubleshooting: cable diagnostic and remote IP ping
- Maintenance: reboot, factory default and save configuration

The GS-5220 LCD PoE switch models featuring PLANET intelligent PoE management to improve the availability of critical business applications have an awesome feature -- ONVIF Support -- which is specifically designed for co-operating with Video IP Surveillances. From the GUI, you just need one click to search and show all of the ONVIF devices via network application, thus enabling to pinpoint the location of the particular surveillance device for easier inspection and planning.











GS-5220-24UP(L)4XV(R)

- 10/100/1000BASE-T with 802.3bt Utra PoE port x 24
- 1G/10G SFP+ port x 4
- 400-/600-watt PoE budget
- Up to 75 watts per PoE port
- R model supports 100~240V AC/48~60V DC redundant power

75W

GS-5220-16UP2XV(R)

- 10/100/1000BASE-T with 802.3bt Utra PoE port x 16
- 1G/10G SFP+ port x 2
- 400-watt PoE budget
- Up to 75 watts per PoE port
- R model supports 100~240V AC/48~60V DC redundant power

60W

GS-5220-24P(L)4XV(R)

- 10/100/1000BASE-T with 802.3at PoE port x 24
- 1G/10G SFP+ port x 4
- 400-/600-watt PoE budget
- Up to 36 watts per PoE port
- R model supports 100~240V AC/48~60V DC redundant power

GS-5220-16P2XV(R)

- 10/100/1000BASE-T with 802.3at PoE+ port x 16
- 1G/10G SFP+ port x 2
- 220-watt PoE budget
- Up to 36 watts per PoE port
- R model supports 100~240V AC/48~60V DC redundant power

10G L2+ 802.3bt Ultra PoE Managed Gigabit Switches



Amazing Ultra PoE Managed Switches with Convenient and Smart Detection Feature

PLANET GS-5220 Ultra PoE Managed Switch series featuring PLANET intelligent PoE management to improve the availability of critical business applications is equipped with multiple 10/100/1000BASE-T ports including 75-watt Ultra PoE and additional 10Gigabit SFP+ ports. They have a total power budget of up to 400/600 watts for different kinds of PoE applications

An awesome feature -- ONVIF Support – is included in the GS-5220 series for interoperating with video IP surveillances. From the GUI, you just need one click to search and show all of the ONVIF devices via network application, allowing you to remotely plan or inspect a production process at a manufacturing plant.

- Supports PoE Power up to 75 watts for each PoE port
- PoE schedule, scheduled power recycling, PD alive check
- Supports ONVIF detection
- IPv4/IPv6 Layer 3 static routing and route summarization
- IEEE 802.1Q VLAN, Q-in-Q, Protocol-based and MAC-based VLANs
- 100~240V AC for switch system and PoE; 36~60V DC for switch system



GS-5220-24UP(L)4X(R)

- 10/100/1000BASE-T with 802.3bt Ultra PoE port x 24
- 1000/10GBASE-X SFP port x 4
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP Snooping
- Up to 60 watts of PoE power on 4-pair UTP
- 600-watt PoE budget
- Smart fan design for silent operation
- 19-inch, 1U rack-mountable installation

GS-5220-16UP4S2X(R)

- 10/100/1000BASE-T with 802.3bt Ultra PoE port x 16
- 1000/10GBASE-X SFP port x 2
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP Snooping
- Up to 60 watts of PoE power on 4-pair UTP
- 400-watt PoE budget
- Smart fan design for silent operation
- 19-inch, 1U rack-mountable installation

GS-5220-8UP2T2X

- 10/100/1000BASE-T with 802.3bt Ultra PoE port x 8
- 10/100/1000BASE-T port x 2
- 1G/10G SFP+ port x 2
- 240-watt PoE budget
- Up to 75 watts per PoE port
- 13-inch desktop size

IGS-5225-4UP1T2S

- 10/100/1000BASE-T with 802.3bt Ultra PoE port x4
- 10/100/1000BASE-T port x1
- 100/1000BASE-X SFP port x2
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- ERPS ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature
- DI and DO supported
- Modbus TCP

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10G L2+ 802.3at PoE+ Managed Gigabit Switches



IPv6 Routing and 10G Ethernet Switch Solutions with PoE Plus for SMBs

PLANET GS-5220 Layer 2+ Managed PoE Switch series supports both IPv4 and IPv6 protocols, and hardware-based Layer 3 static routing capability. They comply with IEEE 802.3at Power over Ethernet Plus (PoE+), equipped with 8 to 48 10/100/1000BASE-T Gigabit Ethernet ports and 2 or 4 10G SFP+ uplink slots. All their Gigabit Ethernet ports when integrated with an 802.3at PoE+ injector can be in full operation.

Extended 10G Network Infrastructure Solution

With the 2/4 built-in SFP+ slots, the GS-5220 series performs up to 176Gbps non-blocking switch fabric to handle extremely large amounts of data. It greatly helps SMBs to build 10Gbps Ethernet network, fulfilling the need of backbone connection, heavy transmission of video streaming services, cloud services and NAS applications at an affordable price.

Multigigabit 2.5G Switch Solution

The MGS-5220-8P2X is PLANET's first Multigigabit Layer 2+ Managed Switch designed in compact size. Offering 8-port PoE 2.5GBASE-T and 2-port dual speed 10G SFP+, it breaks the bandwidth limitation of connecting the wireless network with the wired network. Featuring L2+ routing and PLANET Intelligent PoE functions, it provides a highly-secure, environment-friendly network management and accelerates the deployment of wireless network infrastructure for smart cities.

GS-5220-24P(L)4X(R)

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 1G/10G SFP+ port x 4
- 400-watt PoE budget
- Up to 36 watts per PoE port
- R model supports 100~240V AC/48~60V DC redundant power

GS-5220-48P(L)4X(R)

- 10/100/1000BASE-T with 802.3at PoE+ port x 48
- 1G/10G SFP+ port x 4
- 600-watt PoE budget
- Up to 36 watts per PoE port
- R model supports 100~240V AC/48~60V DC redundant power

GS-5220-8P2T2X

- 10/100/1000BASE-T with 802.3at PoE+ port x 8
- 1G/10/100/1000BASE-T port x 2
- 10G SFP+ port x 2
- 240-watt PoE budget
- Up to 36 watts per PoE port
- 13-inch desktop size

MGS-5220-8P2X

- 100/1000/2500BASE-T with 802.3at PoE+ port x 8
- 1G/10G SFP+ port x 2
- 240-watt PoE budget
- Up to 36 watts per PoE port
- 13-inch desktop size

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Multigigabit 2.5G

XGSW-28040HP

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 100/1000BASE-X SFP port x 4
- 10G SFP+ port x 4
- 440-watt PoE budget
- Smart fan design for silent operation

TAIWAN EXCELLENCE 2014

SGS-5220-24P2X

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 100/1000BASE-X SFP port x 4
- 10G SFP+ uplink port x 2
- 10G SFP+ stacked port x 2
- 440-watt PoE budget

Stackable

L2+ 802.3at PoE+ Managed Gigabit Switches



To meet the PoE network applications requiring higher power supply with Gigabit speed transmission, PLANET L2+ 802.3at PoE+ Managed Switches provide user-friendly but advanced IPv6 and IPv4 management interfaces to bring out efficiently centralized High Power PoE management. It offers IPv4 and IPv6 VLAN routing feature which allows to crossover different VLANs and different IP addresses for the purpose of having a highly-secure, flexible management and simpler networking applications.

As an advanced PoE switch designed for non-stop surveillance or wireless networks, the L2+ Managed PoE switches feature intelligent PoE functions such as PD alive check, scheduled power recycling and over-temperature protection to improve the availability of critical business applications. Time-based PoE schedule can be used to control PoE power feeding during specified time intervals to help companies and campuses to save power and money.

- Complies with IEEE 802.3at/af Power over Ethernet end-span PSE
- Supports PoE Power up to 30.8 watts for each PoE port
- Remote PoE power management and monitoring
- Supports PD alive check, PoE schedule, scheduled power recycling and over-temperature protection
- IPv4 and IPv6 Layer 3 static routing
- IEEE 802.1Q VLAN, Private VLAN, Q-in-Q and Voice VLAN
- Layer 2, 3 and 4 Access Control List
- Quality of Service (QoS)
- IEEE 802.1D/1w/1s Spanning Tree Protocol
- IGMP snooping v1, v2 & v3 and querier mode
- Management interface – console, telnet
- IPv6 and IPv4 Web; SNMP v1, v2c and v3; SSL; and SSH
- DHCP snooping, ARP inspection and IP Source Guard
- DHCP Relay and DHCP Option 82

WGSD-10020HP

- 10/100/1000BASE-T with IEEE 802.3at PoE+ port x 8
- 100/1000BASE-X port x 2
- 150-watt PoE budget
- 13-inch desktop size, 1U rack-mountable

GS-5220-8P2T2S

- 10/100/1000BASE-T with 802.3at PoE+ port x 8
- 10/100/1000BASE-T port x 2
- 100/1000BASE-X SFP port x 2
- 240-watt PoE budget
- 13-inch desktop size, 1U rack-mountable
- Smart fan design for silent operation

WGSW-20160HP

- 10/100/1000BASE-T with 802.3at PoE+ port x 16
- 10/100/1000BASE-T port x 4
- 100/1000BASE-X SFP port x 4
- 230-watt PoE budget

WGSW-24040HP/WGSW-24040HP4

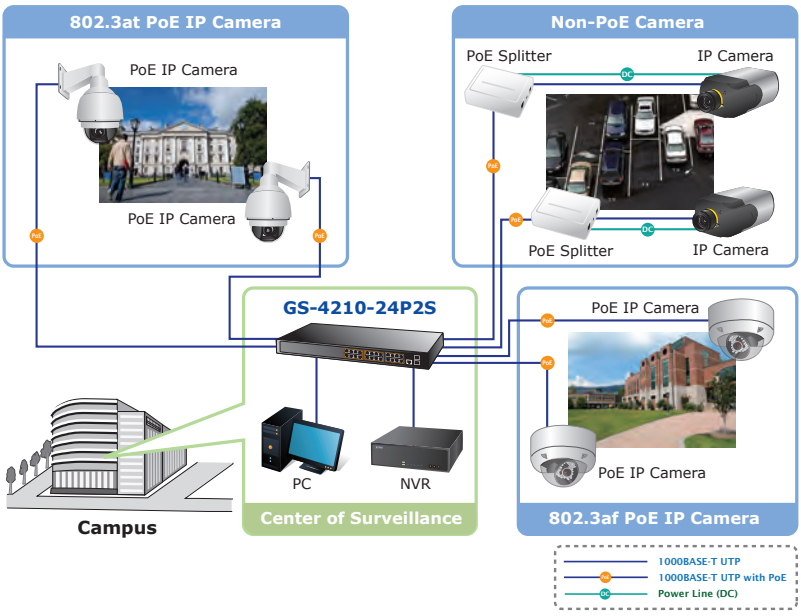
- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 100/1000BASE-X SFP port x 4
- 220/440-watt PoE budget

L2/L4 802.3at/bt PoE Managed Gigabit Switches



The L2/L4 802.3at/bt PoE Managed Gigabit Switches allow users to flexibly connect standard and high powered devices simultaneously. To facilitate power management, the Switches come with powerful PoE management features such as over temperature protection, usage threshold alert and auto power allocation to prevent power budget overloading. The PoE power budget can be allocated by priorities or classification and send alert event logs when power usage reaches the defined threshold.

- Complies with IEEE 802.3at/bt Power over Ethernet end-span PSE
- Supports PoE power up to 30.8/60 watts for each PoE port
- Remote PoE power management and monitoring
- Supports PD alive check, scheduled power recycling and time-based PoE schedule and over temperature protection
- IEEE 802.1Q VLAN, Private VLAN and Q-in-Q
- Layer 3 and 4 Access Control List
- Quality of Service (QoS)
- IEEE 802.1D/1w Spanning Tree Protocol
- IGMP snooping v1 & v2, MLD snooping
- Management interface – console ; Telnet Web; SNMP v1, v2c & v3; SSL and SSH



GS-4210-8P2S

- 10/100/1000BASE-T with 802.3at PoE+ port x 8/16
- 100/1000BASE-X SFP port x 2
- 110-watt PoE budget
- 13-inch desktop size, 1U rack-mountable
- Smart fan design for silent operation

GS-4210-8P2T2S

- 10/100/1000BASE-T with 802.3at PoE+ port x 8
- 10/100/1000BASE-T port x 2
- 100/1000BASE-X SFP port x 2
- 240-watt PoE budget
- 13-inch desktop size, 1U rack-mountable
- Smart fan design for silent operation

GS-4210-16P4C/GS-4210-16P2S

- 10/100/1000BASE-T with 802.3at PoE+ port x 16
- 10/100/1000BASE-T port x 4
- 100/1000BASE-X SFP port x 2/4
- 220-watt PoE budget

GS-4210-24P2S

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 100/1000BASE-X SFP port x 2
- 300-watt PoE budget

GS-4210-24P4C/GS-4210-24PL4C

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 10/100/1000BASE-T port x 4
- 100/1000BASE-X SFP port x 4
- 220/440-watt PoE budget
- Smart fan design for silent operation

GS-4210-48P4S

- 10/100/1000BASE-T with 802.3at PoE+ port x 48
- 100/1000BASE-X SFP port x 4
- 440-watt PoE budget
- Smart fan design for silent operation

GS-4210-16UP4C/GS-4210-24UP4C

- 10/100/1000BASE-T with ultra PoE port x 16/24
- 10/100/1000BASE-T port x 4
- 100/1000BASE-X SFP port x 4
- Up to 60 watts of PoE power on 4-pair UTP
- 400/600-watt PoE budget

60W

Industrial Flat-type PoE+ Switches

Easily-deployed and Expanded PoE Network

Designed to be installed in a wall enclosure or simply mounted at any convenient location on a wall, PLANET Industrial Flat-type PoE+ Switches are an ideal solution to meeting the demand of sufficient PoE power for the network applications such as building/home automation network, Internet of things (IoT), and wired and wireless IP surveillance.

Innovative Wall-mount Installation

The Industrial Flat-type PoE+ Switches adopt "Front Access" design, making the installing, cable wiring, LED monitoring and maintenance of the Industrial Flat-type PoE+ Switches placed in an enclosure easier for technicians to manage. Its magnetic wall mounting or DIN rail installation enables its efficient use of enclosure space, thereby making its usability more flexible.

WGS-5225-8P2SV

- 2.4-inch color LCD touch screen with management functions
- 8-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 100/1000BASE-X SFP
- ERPS Ring Data Recovery time < 20ms
- IPv4/IPv6 Layer 3 static routing
- Supports Modbus TCP/IP Protocol
- 48~56V DC dual power design
- -20~70 degrees C operating temperature
- 240-watt PoE budget

Touch LCD



WGS-5225-8P2S

- 8-port 10/100/1000BASE-T with 802.3at PoE+
- 2-port 100/1000BASE-X SFP
- ERPS Ring Data Recovery time < 20ms
- IPv4/IPv6 Layer 3 static routing
- Supports Modbus TCP/IP Protocol
- 48~56V DC dual power design
- -40~75 degrees C wide operating temperature
- 240-watt PoE budget





WGS-804HP

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 4-port 10/100/1000BASE-T
- -10 to 60 degrees C operating temperature
- 48~56V DC redundant power
- LED indicators for PoE usage and status
- 120-watt PoE budget



WGS-804HPT

- 4-port 10/100/1000BASE-T with 802.3at PoE+
- 4-port 10/100/1000BASE-T
- -40 to 75 degrees C wide operating temperature
- 48~56V DC redundant power
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- LED indicators for PoE usage and status
- 144-watt PoE budget

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WGS-4215-8P2S

- 8-port 10/100/1000T with 802.3at PoE+
- 2-port 100/1000X SFP
- -40 to 75 degrees C wide operating temperature
- 48~56V DC dual power input
- 200-watt PoE budget
- IPv6 and IPv4 Web; Telnet; SNMPv1, v2c, v3; SSH/SSL management
- QoS, bandwidth control, storm control, Layer 3/4 access control list
- STP/RSTP/MSTP, LACP





Web Smart 802.3at PoE+ Switches



PLANET Web Smart 802.3af/at PoE switches provide a cost-effectiveness advantage to local area network and are widely accepted in SMB office network. They provide intelligent Layer 2 data packet switching and management functions, friendly web user interface, and stable operation. They also comply with Power over Ethernet (PoE) at an affordable price. The Web Smart PoE switches feature 4-port PoE to 24-port PoE choices to meet various customer requirements. They offer a rack-mountable, safe and reliable power solution for SMBs deploying PoE VoIP systems and PoE wireless networks, or requiring enhanced data security and network traffic management.

FGSD-1008HPS

- 10/100BASE-TX with 802.3at PoE+ port x 8
- 10/100/1000BASE-T port x 2
- 1000BASE-X SFP port x 2
- 125-watt PoE budget
- 13-inch desktop size, 1U rack-mountable

FGSW-1816HPS

- 10/100BASE-TX with 802.3at PoE+ port x 16
- 10/100/1000BASE-T port x 2
- 1000BASE-X SFP port x 2
- 220-watt PoE budget
- 19-inch, 1U rack-mountable

FGSW-2624HPS/FGSW-2624HPS4

- 10/100BASE-TX with 802.3at PoE+ port x 24
- 10/100/1000BASE-T port x 2
- 1000BASE-X SFP port x 2
- 220-/420-watt PoE budget
- 19-inch, 1U rack-mountable

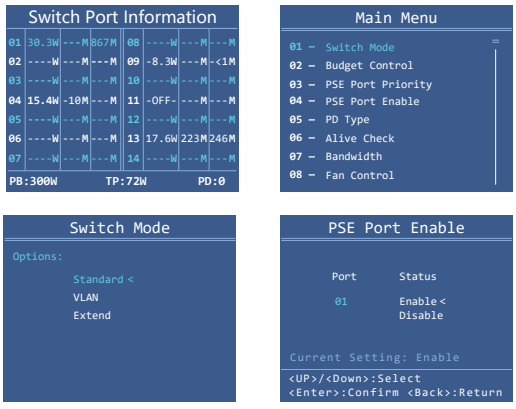
Unmanaged LCD PoE+ Switches

PLANET LCD PoE Switches are an ideal Plug and Watch Power over Ethernet solution which provides quick installation, real-time PoE work status monitoring and immediate troubleshooting through its unique LCD display to improve work efficiency and quality without any PC or software required.

The LCD monitor of the LCD PoE Switches clearly show the PoE loading of each port, total PoE power usage and system status, such as overload, low voltage, over voltage and high temperature. With its brand-new LCD monitor, user is able to obtain detailed information about real-time PoE working condition of the LCD PoE Switches directly. Also the Power Budget Control function helps to prevent power budget overloading.



LCD Monitor Status



GSD-1002VHP

- 10/100/1000BASE-T with 802.3 at PoE+ port x 8
- 10/100/1000BASE-T uplink port x 2
- Hardware DIP Switch, including Standard, VLAN and Extend mode.
- 120-watt PoE budget
- LCD with real-time PoE port status display, and power and alarm alerts
- VLAN Isolation
- 250m distance w/30W power output in Extend Mode
- 12-inch, 1U, rack-mountable

GSW-1820VHP/GSW-2620VHP

- 10/100/1000BASE-T with 802.3 at PoE+ port x 16/24
- 1000BASE-X SFP uplink port x 2
- Hardware DIP Switch, including Standard, VLAN and Extend mode.
- 300-watt PoE budget
- LCD with real-time PoE port status display, and power and alarm alerts
- VLAN Isolation
- 250m distance with 30W power output in Extend Mode

GSW-1222VUP

- Up to 60 watts of PoE power on 4-pair UTP
- 10/100/1000BASE-T with 8-port ultra PoE
- 380-watt PoE budget
- LCD with real-time PoE port status display, and power and alarm alerts
- 2-port Gigabit TP and 2-port Gigabit SFP for uplink
- Plug and Play design

FGSD-1022VHP

- 10/100BASE-TX with 802.3 at PoE+ port x 8
- 10/100/1000BASE-T uplink port x 2
- Hardware DIP Switch, including Standard, VLAN and Extend mode.
- 120-watt PoE budget
- LCD with real-time PoE port status display, and power and alarm alerts
- VLAN Isolation
- 250m distance with 30W power output in Extend Mode
- 12-inch, 1U, rack-mountable

FGSW-1822VHP/FGSW-2622VHP

- 10/100BASE-TX with 802.3at PoE+ port x 16/24
- 10/100/1000BASE-T port x 2
- 1000BASE-X SFP uplink port x 2
- 300-watt PoE budget
- LCD with real-time PoE port status display, and power and alarm alerts
- 250m distance with 30W power output in Extend Mode

Unmanaged PoE+ Switches

Gigabit

GSD-604HP

- 10/100/1000BASE-T with 802.3at PoE+ port x 4
- 10/100/1000BASE-T port x 2
- 55-watt PoE budget
- Port-based VLAN via DIP selection
- Compact size, wall-mountable



GSD-804P

- 10/100/1000BASE-T with 802.3at PoE port x 4
- 10/100/1000BASE-T port x 4
- 55-watt PoE budget
- 10-inch, 1U rack-mountable
- Hardware-based DIP switch for Standard, VLAN and Extend mode selection



GSD-908HP

- 10/100/1000BASE-T with 802.3at PoE+ port x 8
- 10/100/1000BASE-T port x 1
- 100-watt PoE budget
- Compact size, wall-mount and magnetic wall mountable



GSD-1008HP

- 10/100/1000BASE-T with 802.3at PoE+ port x 8
- 10/100/1000BASE-T port x 2
- Hardware-based DIP switch for Standard, VLAN and Extend mode selection
- 120-watt PoE budget
- 9-inch, 1U rack-mountable



GSW-1600HP

- 10/100/1000BASE-T with 802.3at PoE+ port x 16
- 220-watt PoE Power budget
- 19-inch, 1U rack-mountable



GSW-2620HP

- 10/100/1000BASE-T with 802.3at PoE+ port x 24
- 1000BASE-X SFP port x 2
- 220-watt PoE Power budget
- 19-inch, 1U rack-mountable



FGSD-1011HP

- 10/100BASE-TX with 802.3at PoE+ port x 8
- 10/100/1000BASE-T port x 1, 100/1000X SFP port x 1
- Hardware-based DIP switch for Standard, VLAN and Extend mode selection
- 120-watt PoE budget
- 9-inch, 1U rack-mountable

Gigabit Uplink



Fast Ethernet

FSD-504HP

- 10/100BASE-TX with 802.3at PoE+ port x 4
- 10/100BASE-TX port x 1
- 60-watt PoE budget
- Hardware-based DIP switch for Standard and Extend mode selection
- Compact size, wall-mountable



FSD-604HP

- 10/100BASE-TX with 802.3at PoE+ port x 4
- 10/100BASE-TX port x 2
- Extend power + data and port-based VLAN via DIP selection
- 60-watt PoE budget
- Internal AC, fanless design



FSD-804P

- 10/100BASE-TX with 802.3at PoE port x 4
- 10/100BASE-TX port x 4
- 55-watt PoE budget
- 10-inch, 1U rack-mountable
- Hardware-based DIP switch for Standard, VLAN and Extend mode selection



FSD-1008HP

- 10/100BASE-TX with 802.3at PoE+ port 8
- 10/100BASE-TX port x 2
- Hardware-based DIP switch for Standard, VLAN and Extend mode selection
- 120-watt PoE budget
- 9-inch, 1U rack-mountable



FNSW-1600P

- 10/100BASE-TX with 802.3at PoE port x 16
- 125-watt PoE budget
- 19-inch, 1U rack-mountable



Multi-port PoE Injector Hubs

Quick and Easy PoE Network Deployment

PLANET PoE Injector Hubs provide 4-/12-/24-port IEEE 802.3at/bt Power over Ethernet injector functions and comply with IEEE 802.3, IEEE 802.3u, IEEE 802.3at and IEEE 802.3bt standards. This series supports PoE power for any remote IEEE 802.3at/bt powered device (PD) like wireless access point, IP phone, and IP camera.

Easy Cabling Installation

The PoE Injector Hubs are installed between a regular Ethernet Switch and PDs; they inject power to the PDs without affecting the data transmission performance. They offer a cost effective and quick solution to upgrading network system to IEEE 802.3at/bt Power over Ethernet system without replacing the existing Ethernet Switch.

- Complies with IEEE 802.3at/bt Power over Ethernet mid-span PSE
- PoE power up to 30/60-watt for each PoE port
- Remote power feeding up to 100m
- Full power support for each PoE port
- Automatically detects the powered device (PD)
- Indication of LED indicator power input
- 100~240VAC, 50/60Hz, universal power supply

60-watt Ultra PoE Injector Hubs

UPOE-800G

- 10/100/1000BASE-T "Data" input port x 8
- 10/100/1000BASE-T "Data + Power" output port x 8
- 400-watt PoE budget
- PoE Power up to 60 watts for each PoE port
- Web management interface
- SNMP Trap and PoE schedule
- 19-inch, 1U rack-mountable

802.3bt Ready



UPOE-1600G

- 10/100/1000BASE-T "Data" input port x 16
- 10/100/1000BASE-T "Data + Power" output port x 16
- 600-watt PoE budget
- PoE Power up to 60 watts for each PoE port
- Web management interface
- SNMP Trap and PoE schedule
- 19-inch, 1U rack-mountable

802.3bt Ready



UPOE-2400G

- 10/100/1000BASE-T "Data" input port x 24
- 10/100/1000BASE-T "Data + Power" output port x 24
- 800-watt PoE budget
- PoE Power up to 60 watts for each PoE port
- Web management interface
- SNMP Trap and PoE schedule
- 19-inch, 1U rack-mountable

802.3bt Ready



802.3at PoE+ Injector Hubs

HPOE-460

- 10/100/1000BASE-T "Data" input port x 4
- 10/100/1000BASE-T "Data + Power" output port x 4
- 120-watt PoE budget
- PoE Power up to 30.8 watts for each PoE port
- Compact size, wall-mountable



POE-1200G

- 10/100/1000BASE-T "Data" input port x 12
- 10/100/1000BASE-T "Data + Power" output port x 12
- 220-watt PoE budget
- PoE Power up to 30.8 watts for each PoE port
- Web management interface
- SNMP Trap and PoE schedule
- 19-inch, 1U rack-mountable



POE-2400G

- 10/100/1000BASE-T "Data" input port x 24
- 10/100/1000BASE-T "Data + Power" output port x 24
- 440 watt PoE budget
- PoE Power up to 30.8 watts for each PoE port
- Web management interface
- SNMP Trap and PoE schedule
- 19-inch, 1U rack-mountable



HPOE-1200G

- 10/100/1000BASE-T "Data" input port x 12
- 10/100/1000BASE-T "Data + Power" output port x 12
- 360-watt PoE budget
- PoE Power up to 30.8 watts for each PoE port
- Web management interface
- SNMP Trap and PoE schedule
- 19-inch, 1U rack-mountable



HPOE-2400G

- 10/100/1000BASE-T "Data" input port x 24
- 10/100/1000BASE-T "Data + Power" output port x 24
- 720-watt PoE budget
- PoE Power up to 30.8 watts for each PoE port
- Web management interface
- SNMP Trap and PoE schedule
- 19-inch, 1U rack-mountable



Single-port PoE Injectors/Splitters

PLANET Single-port PoE Injectors and Splitters are compliant with IEEE 802.3af/at 30-watt PoE and IEEE 802.3bt Ultra PoE standard to help achieve a more flexible network deployment. The PoE injectors insert power into Ethernet cables and allow the cable between the PoE injector and splitter to transfer data and power simultaneously. The PoE splitter is paired with the injector to turn the non-PoE devices into PoE-ready equipment. The maximum distance between the injector and splitter is 100 meters.

802.3bt Ultra PoE Injectors

POE/IPoE Series

- Complies with IEEE 802.3bt Power over Ethernet
- Maximum power up to 60 watts
- Auto-detection of IEEE 802.3bt Ultra PoE PDs from being damaged by incorrect installation

IPOE-171

- Up to 95 watts of PoE power on 4-pair UTP
- Data and power over one Ethernet cable up to 100 meters
- Backward compatible with IEEE 802.3at/af PD device
- Supports 10/100/1000BASE-T applications
- -40 to 75 degrees C wide operating temperature
- IP30 metal case, DIN-rail and wall-mountable



POE-171

- Up to 60 watts of PoE power on 4-pair UTP
- Data and power over one Ethernet cable up to 100 meters
- Backward compatible with IEEE 802.3at/af PD device
- Supports 10/100/1000BASE-T applications



POE-171A-60

- Up to 60 watts of PoE power on 4-pair UTP
- Data and power over one Ethernet cable up to 100 meters
- Backward compatible with IEEE 802.3at/af PD device
- Supports 10/100/1000BASE-T applications



POE-172/POE-173

- Up to 60 watts of PoE power on 4-pair UTP
- Data and power over one Ethernet cable up to 100 meters
- Backward compatible with IEEE 802.3at/af PD device
- Supports 10/100/1000BASE-T applications



Ultra PoE Splitters

IPOE-171S

- 10/100/1000BASE-T "Data" output port x 1
- 10/100/1000BASE-T "Data + Power" input port x 1
- Up to 50-watt PoE power output
- Supports 12V/19V/24V DC power output by DIP switch
- -40 to 75 degrees C wide operating temperature
- IP30 metal case, DIN-rail and wall-mountable



POE-171S

- 10/100/1000BASE-T "Data" output port x 1
- 10/100/1000BASE-T "Data + Power" input port x 1
- Up to 50-watt PoE power output
- Supports 12V/19V/24V DC power output by DIP switch



POE-172S

- 10/100/1000BASE-T "Data" output port x 1
- 10/100/1000BASE-T "Data + Power" input port x 1
- Up to 75-watt PoE power output
- Supports 12V/19V/24V DC power output by DIP switch



802.3at PoE+ Injectors/Splitters

POE/IPOE/GTP Series

- Complies with IEEE 802.3af/at Power over Ethernet
- Maximum power up to 30.8 watts
- Auto-detection of PoE+ IEEE 802.3at PDs from being damaged by incorrect installation

GTP-805A

- 10/100/1000BASE-T “Data + Power” output port x 1
- 1000BASE-X “Data” input port x 1
- Mid-span PSE
- Made of metal



POE-161

- 10/100/1000BASE-T “Data” input port x 1
- 10/100/1000BASE-T “Data + Power” output port x 1
- Mid-span PSE
- Made from plastic



POE-161S/POE-162S

- 10/100/1000BASE-T “Data” output port x 1
- 10/100/1000BASE-T “Data + Power” input port x 1
- Made from plastic
- Power output: 5V/12V DC, max. 5A (POE-161S)
- Power output: 12V/24V DC, max. 2A (POE-162S)



POE-163

- 10/100/1000BASE-T “Data” input port x 1
- 10/100/1000BASE-T “Data + Power” output port x 1
- Mid-span PSE
- Plastic compact size, internal 100-240V AC power supply



POE-164

- 10/100BASE-TX “Data” input port x 1
- 10/100BASE-TX “Data + Power” output port x 1
- Mid-span PSE
- Plastic compact size, internal 100-240V AC
- power supply



POE-165S

- Power input - complies with IEEE 802.3af/at Power over Ethernet
- Power output - passive Power over Ethernet injector
- Supports 12V/19V/24V DC power output by DIP switch
- -40 to 75 degrees C wide operating temperature
- Compact size, wall-mountable



IGTP-805AT

- 100/1000BASE-X single/ multi mode LC (SFP interface)
- 10/100/1000BASE-T with 802.3at PoE+ port x 1
- Link Fault Pass-through (LFP) support
- -40 to 75 degrees C operating temperature
- IP30 metal case, DIN-rail and wall-mountable



IPOE-162

- 10/100/1000BASE-T “Data” input port x 1
- 10/100/1000BASE-T “Data + Power” output port x 1
- -40 to 75 degrees C operating temperature
- IP30 metal case, DIN-rail and wall-mountable



IPOE-162S

- 10/100/1000BASE-T “Data” output port x 1
- 10/100/1000BASE-T “Data + Power” input port x 1
- Power output: 12V/24V DC, max.2A
- -40 to 75 degrees C operating temperature
- IP30 metal case, DIN-rail and wall-mountable



802.3af PoE Injectors

POE/FTP Series

- Complies with IEEE 802.3af Power over Ethernet
- Data and power transmission distance up to 100 meters
- Maximum power up to 15.4 watts
- Auto-detection of PoE IEEE 802.3af equipment and devices from being damaged by incorrect installation
- Desktop size, wall-mountable

FTP-802/802S15

- 10/100BASE-TX “Data + Power” output port x 1
- 100BASE-FX “Data” input port x 1
- End-span PSE
- Made of metal



POE-151

- 10/100BASE-TX “Data” input port x 1
- 10/100BASE-TX “Data + Power” output port x 1
- Mid-span PSE
- Made from plastic



POE-152

- 10/100/1000BASE-T “Data” input port x 1
- 10/100/1000BASE-T “Data + Power” output port x 1
- End-span PSE
- Made from plastic



PoE Extenders

PLANET PoE Extenders are a newly-designed and simple device which extends both the reach of Ethernet data and power over the standard 100m (328 ft.) RJ45 UTP cable to 200m, 300m or longer distance, making the network installations more efficiently and cost-effective.

POE/IPOE-E Series

- Extends the range of PoE by an additional 100 meters (328ft.) or more
- Forwards both Ethernet data and PoE power to remote devices
- Multiple units, daisy-chain installation supported
- No external power cable required for installation
- Compact size, wall-mountable
- Plug and Play

60-watt Ultra PoE Extenders

IPOE-E174

- Forwards both Ethernet data and in-line power to 4 remote devices
- 1-port ultra Power over Ethernet PD
- 4-port IEEE 802.3af/at Power over Ethernet/ end-span PSE
- Supports PoE output power up to 30.8 watts for each PoE port
- Extends the range of PoE for an additional 100 meters (328ft.)
- -40 to 75 degrees C wide operating temperature
- No external power cable required for installation
- Plug and Play, no software required



POE-E304

- Forwards both Ethernet data and in-line power to 4 remote devices
- 1-port ultra Power over Ethernet PD
- 4-port IEEE 802.3af/at Power over Ethernet/end-span PSE
- Supports PoE output power up to 30.8 watts for each PoE port
- Extends the range of PoE for an additional 100 meters (328ft.)
- No external power cable required for installation
- Plug and Play, no software required



IPOE-E172

- 10/100/1000BASE-T "Data + Power" shielded RJ45 input port x 1
- 10/100/1000BASE-T "Data + Power" shielded RJ45 output port x 2
- Max. total PoE budget up to 60 watts
- -40 to 75 degrees C wide operating temperature
- Extends Cat.5 cable installations to beyond 100 meters

IP63



802.3at/af PoE Extenders

POE-E101

- 10/100BASE-TX "Data + Power" output port x 1
- 10/100BASE-TX "Data + Power" input port x 1
- Complies with IEEE 802.3af Power over Ethernet mid-span
- Maximum extended distance up to 300m



POE-E201

- 10/100/1000BASE-T "Data + Power" output port x 1
- 10/100/1000BASE-T "Data + Power" input port x 1
- Complies with IEEE 802.3af/at Power over Ethernet mid-span
- Maximum extended distance up to 500m

30W Gigabit



POE-E202

- 10/100/1000BASE-T "Data + Power" output port x 2
- 10/100/1000BASE-T "Data + Power" input port x 1
- Complies with IEEE 802.3af/at Power over Ethernet mid-span
- Maximum extended distance up to 300m



IPOE-E202

- 10/100/1000BASE-T "Data + Power" shielded RJ45 input port x 1
- 10/100/1000BASE-T "Data + Power" shielded RJ45 output port x 2
- Max. total PoE budget up to 50 watts
- -40 to 75 degrees C wide operating temperature
- Extends Cat.5 cable installations to beyond 100 meters

IP63



Long Reach PoE L2/L4 IPv6 Managed Switches

LRP Series

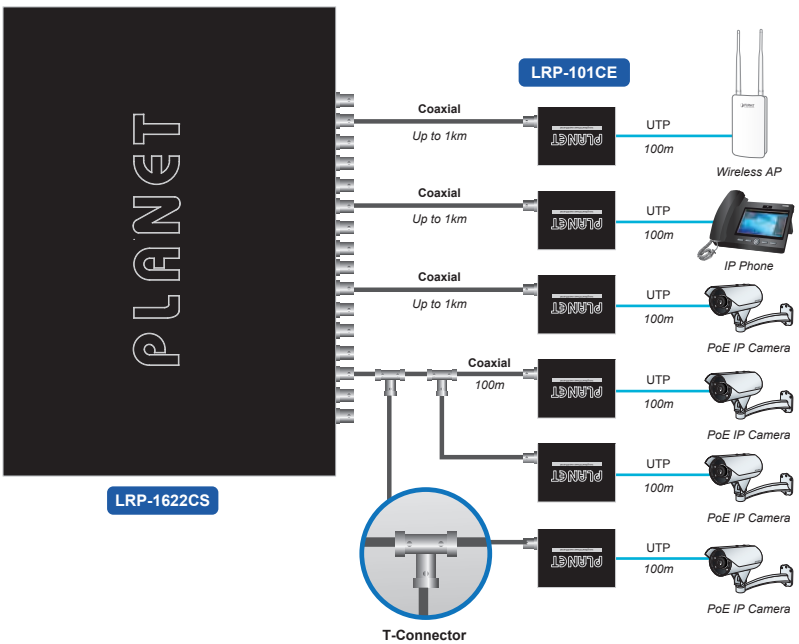


IPv6 Management | PoC | Gigabit Uplink

PLANET Long Reach PoE (LRP) solution is designed to extend IP Ethernet transmission and inject power over an existing coaxial cable for distance up to 1000m (3280ft) into PoE IP camera, PoE wireless AP and any 802.3af/at complied powered device (PD).

The Long Reach PoE solution consists of an LRP switch/injector and LRP extender which can work without any power adapter anywhere on your network infrastructure. It is a perfect solution for sending IP video links and power to remote PoE IP camera installation that is beyond the 100-meter distance limit of Ethernet.

- Re-use the existing coaxial cable that eliminates power cabling with Power over coaxial (PoC)
- Data and Power over coaxial up to 1km
- Up to 36-watt power output per PoC port
- PD alive check, scheduled power recycling and time-based PoE schedule
- IEEE 802.1Q VLAN, Q-in-Q, Private VLAN and GVRP
- IEEE 802.1w RSTP, IEEE 802.1s MSTP and loop protection
- IGMP snooping v2 and v3 and MLD snooping
- QoS, Voice VLAN and bandwidth control
- Layer 2, 3 and 4 Access Control List
- IPv4 and IPv6 Web interface; Telnet; SNMP v1, v2c and v3; SSH; and SSL management



LRP-822CS

- Long Reach PoE over coaxial port x 8
- 100/100/1000BASE-T port x 2
- 100/1000BASE-X SFP port x 2
- 240-watt PoE budget
- Up to 36 watts per PoC port
- Power over coaxial up to 1km

TAIWAN EXCELLENCE 2016

LRP-1622CS

- Long Reach PoE over coaxial port x 16
- 100/100/1000BASE-T port x 2
- 100/1000BASE-X SFP port x 2
- 440-watt PoE budget
- Up to 36 watts per PoC port
- Power over coaxial up to 1km

TAIWAN EXCELLENCE 2016

LRP-422CST

- Long Reach PoE over coaxial port x 4
- 100/100/1000BASE-T port x 2
- 100/1000BASE-X SFP port x 2
- 150-watt PoE budget
- Up to 36 watts per PoC port
- Power over coaxial up to 1km
- -20 to 75 degrees C operating temperature
- IP30 metal case, DIN-rail and wall-mountable

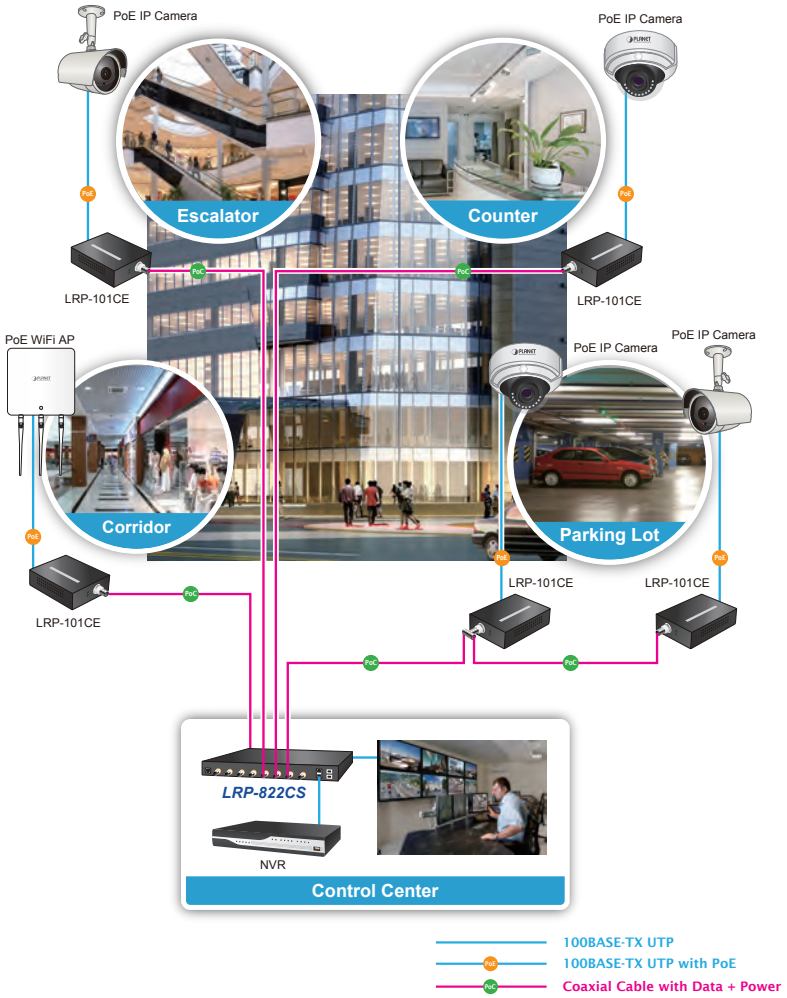
TAIWAN EXCELLENCE 2016

Long Reach PoE Injectors/Extenders

LRP-101 series/LRP-201 series



The LRP-101CE/LRP-101UE PoE Extender, which sources power from the LRP switch or LRP injector, is a Single-port, 802.3at High Power over Ethernet Injector providing a maximum of up to 25 watts of power output over Ethernet cable which allows data and power to transmit simultaneously through the cable to PoE PD (Powered Device).



Single Port Injector

LRP-101CH

- 1-port BNC with passive PoE PSE
- 1-port 10/100TX RJ45 with 802.3at PoE+ Input
- -20 ~ 70 degrees C operating temperature
- Power over coaxial up to 1km

TAIWAN EXCELLENCE 2016

LRP-101UH

- 1-port UTP with passive PoE PSE
- 1-port 10/100TX RJ45 with 802.3at PoE+ Input
- -20 ~ 70 degrees C operating temperature
- Power over UTP up to 500m

TAIWAN EXCELLENCE 2016

Single Port Extender

LRP-101CE

- 1-port BNC with passive PoE PD
- 1-port 10/100TX RJ45 with 802.3at PoE+ PSE to remote PoE IP camera/AP
- -20 ~ 70 degrees C operating temperature

TAIWAN EXCELLENCE 2016

LRP-101UE

- 1-port UTP with passive PoE PD
- 1-port 10/100TX RJ45 with 802.3at PoE+ PSE to remote PoE IP camera/AP
- -20 ~ 70 degrees C operating temperature

TAIWAN EXCELLENCE 2016

LRP-104CET

- 1-port BNC with passive PoE PD
- 4-port 10/100TX RJ45 with IEEE 802.3at PoE+ PSE to remote PoE IP camera/AP
- -20 ~ 70 degrees C operating temperature

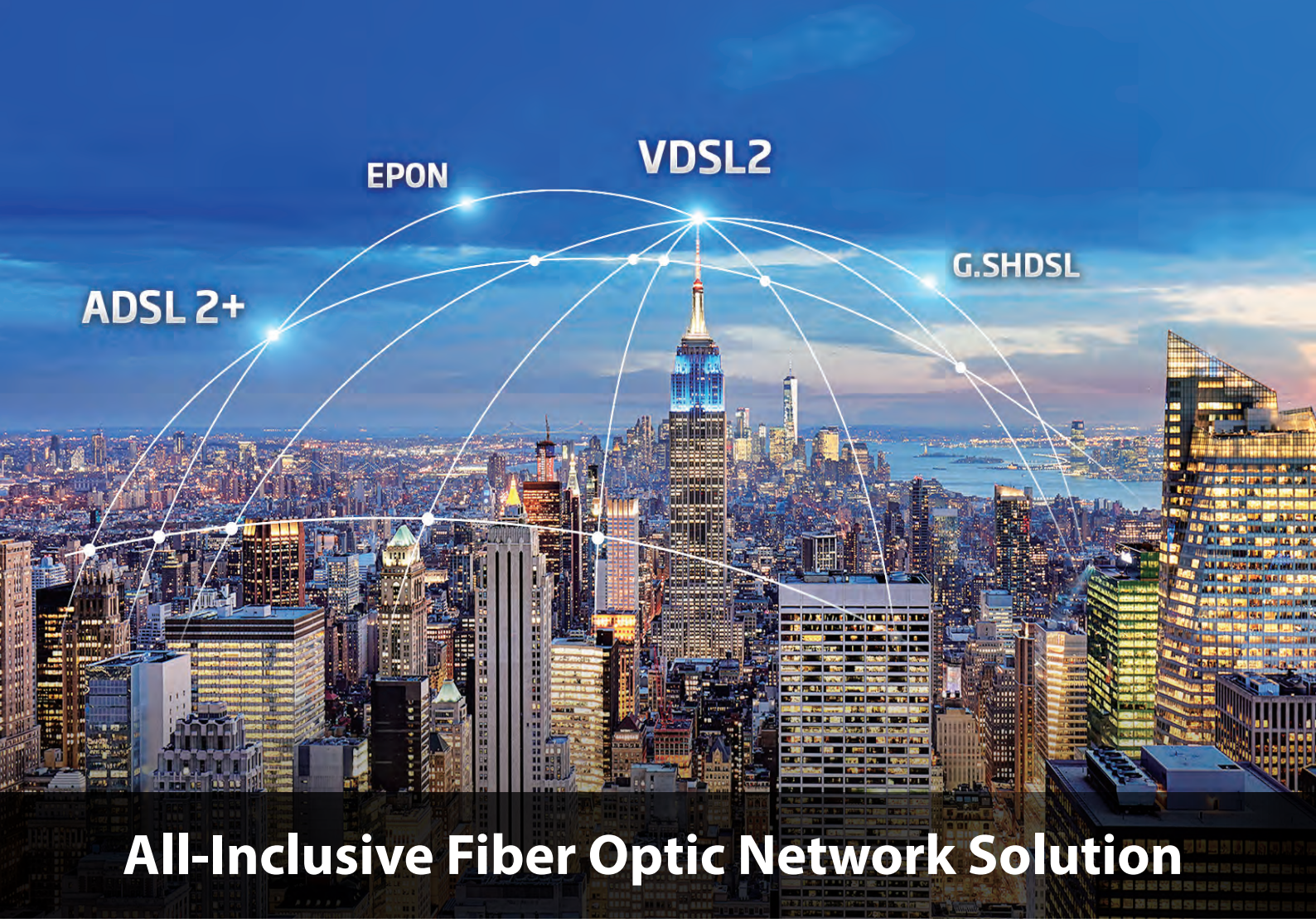
TAIWAN EXCELLENCE 2016

LRP-201HT

- 1-port BNC with passive PoE PSE
- 1-port 10/100/1000T RJ45 with 802.3bt Ultra PoE input
- -10 ~ 60 degrees C operating temperature
- Power over coaxial up to 1km
- Dual 48 ~ 56V DC power input

LRP-201ET

- 1-port BNC with passive PoE PD
- 1-port 10/100/1000T RJ45 with 802.3bt Ultra PoE PSE
- -10 ~ 60 degrees C operating temperature



All-Inclusive Fiber Optic Network Solution



XGS3-42000R
Layer 3 Chassis Switch
6x 40G Max.



XGS3-24242
Layer 3 Fiber Managed Switch
4x 10G Max.



GS-5220-46S2C4X
L2+ 46-Port Fiber Managed Switch
4x 10G Max.



IXT-705AT
10G Media Converter



SGS-5220-24S2XR
L2+ Stackable Switch
2x 10G Max.



MC-1610MR
Media Converter Chassis

Media Conversion



Centralized Media Converter Management

PLANET Media Converter Chassis allows the installation of up to 15 PLANET standard Media Converters with diverse choices, such as fiber, GEPON, Ethernet, PoE, serial RS232/485 interfaces, VDSL2 and video to meet different network applications. It is very flexible for Media Converter series to be installed in the chassis for centralized media conversion management.

Web/SNMP/OAM Remote Management

For efficient management, the Managed Media Converters are equipped with remote Web interface. They also support the standard SNMP and TS-1000/802.3ah OAM protocol and can be managed via any standard management software.





Extension & Expansion

With the feature-rich chassis, the converters can easily expand the fiber-optic networks by simply plug and play. The wiring distance of PLANET Media Converter Chassis is extendable from 2 to 120 kilometers, and the Media Converter transmission distance is up to 120 kilometers.



DIN Rail Installation



Chassis Installation



Wall Mount Installation

Easy Installation

With standard cases, PLANET Media Converters provide a 3-way installation, including DIN rail, chassis and wall mount, to manage all devices more efficiently.

Environmentally Hardened Design

The Industrial Media Converter Series is equipped with the slim-type IP30 metal case for easy deployment in heavy Industrial demanding environments. Being able to operate under the temperature range from -40 to 75 degrees C, the Industrial Media Converter Series can be placed in almost any difficult environment.



Managed Media Converter Chassis



For powerful advanced fiber-optic function and cost-effective solution, PLANET Managed Media Converter Chassis series, MC-1610MR/MC-1610MR48, provides 16 Media Converter slots and one management system in a 19" rack chassis. The MC-1610MR/MC-1610MR48 is designed for FTTx applications by ISPs, telecoms, campuses and enterprises.

The MC-1610MR/MC-1610MR48 helps to easily build the FTTx installation and perfectly satisfies diverse demands. The 16 slots can be flexibly applied with PLANET Fast/Gigabit Ethernet Smart Media Converter (FST-8/GST-8 series) to construct network solution of FTTH (Fiber to the Home), FTTB (Fiber to the Building) or FTTC (Fiber to the Curb) for ISPs, enterprises and campuses. The MC-1610MR/MC-1610MR48 is a reliable and efficient solution for network application where distance and installation budget are highly concerned.

- High-quality 19" rack-mountable chassis installation
- Bay power isolation ensures each bay is electrically isolated from each other
- Installation of up to two fans for increased air-flow for system cooling
- One 10/100/1000Mbps Ethernet port and one RS232 port for management
- LED indicators for system, power and fan status
- NTP client (Time zone setting)
- Remote syslog and local system log
- DHCP client and DNS client
- Temperature detects display and alarm
- Web firmware upgrade
- PLANET Smart Discovery Utility for deployment management
- Media link/connection speed duplex status for each converter module
- Redundant backup system (Redundant Link Media Converter)

MC-1610MR

- Console/Telnet/Web/SNMP management
- 16 hot-swappable modular converter management
- TS-1000/802.3ah OAM remote terminal management
- Two power slots for redundant power, optional AC/-48V DC supplies

MC-1610MR48

- Console/Telnet/Web/SNMP management
- 16 hot-swappable modular converter management
- TS-1000/802.3ah OAM remote terminal management
- Two power slots for redundant power, optional AC/-48V DC supplies

Web/SNMP management

- OAM
- Device Control
- Redundant Link
- Link Status Monitoring
- SNMP Trap Alarm



Hot-swappable/flexible power input



Dual AC



Dual DC



DC + AC

Power Module

Smart Gigabit Media Converters



PLANET GST-80x Smart Gigabit Media Converter series extends communication distance with high Gigabit performance via fiber optic cable. The GST-80x series provides media conversion between 10/100/1000BASE-T and 1000BASE-SX/LX interfaces such as multi-mode LC/SC connectors (220m/550m), single-mode LC/SC connectors (10/20/30/40/50/70/120km) and single fiber connectors (WDM,15/60km) for various fiber optic applications.

- Complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T, IEEE 802.3z 1000BASE-SX/LX Ethernet standard
- Choice of fiber connectors from SC, LC, WDM, multi-mode/ single-mode fiber/1000BASE-SX/LX mini GBIC module
- Auto MDI/MDIX on TP port
- LLR /LLCF for fiber connection diagnostic
- IEEE 802.3ah OAM/TS-1000 OAM
- Manageable through MC-1610MR/MC-1610MR48
- LED indicators for converter status
- 9K jumbo frame size supported
- DIP switch for fiber (auto-negotiation/manual) and LFP function (disable/enable) setting
- EMI standards complies with FCC, CE class A

GST-802

- One 1000BASE-SX port with SC connector
- Supports fiber optic up to 550m

GST-802S

- One 1000BASE-LX port with SC connector
- Supports fiber optic up to 10km

GST-805A

- One 1000BASE-SX/LX SFP slot
- Supports fiber optic up to 120km (Vary on SFP module)

GST-806A15

- One 1000BASE-LX port with WDM connector
- Supports fiber optic up to 15km

GST-806B15

- One 1000BASE-LX port with WDM connector
- Supports fiber optic up to 15km

GST-806A60

- One 1000BASE-LX port with WDM connector
- Supports fiber optic up to 60km

GST-806B60

- One 1000BASE-LX port with WDM connector
- Supports fiber optic up to 60km

Smart Fast Ethernet Media Converters



PLANET Smart Fast Ethernet Media Converter, FST-80x series, extends communication distance with highly-stable performance via fiber optic cable. The FST-80x series provides media conversion between 10/100BASE-TX and 100BASE-FX interfaces such as multi-mode ST/SC connectors (2km), single-mode SC connector (15/35/50km), single fiber connector (WDM, 20km) and fiber connection options for various applications.

- Complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX and 100BASE-FX Ethernet standard
- One 10/100BASE-TX port with RJ45 connector, one 100BASE-FX port with ST/SC/LC/WDM connector supporting multi-mode or single-mode fiber optic cable
- Auto MDI/MDIX on TP port
- LLR/LLCF for fiber connection diagnostic
- Manageable through MC-1610MR/MC-1610MR48
- LED indicators for converter status
- DIP switch to set fiber (HDX/FDX), UTP (auto-negotiation/manual), speed (10/100Mbps), duplex mode (half/full duplex mode), LLR (disable/enable), LLCF (disable/enable), flow control (disable/enable) and LFP function (disable/enable)
- EMI standards complies with FCC, CE class B

FST-801

- One 100BASE-FX port with ST connector
- Supports fiber optic up to 2km

FST-802

- One 100BASE-FX port with SC connector
- Supports fiber optic up to 2km

FST-802S15

- One 100BASE-FX port with SC connector
- Supports fiber optic up to 2km

FST-802S35

- One 100BASE-FX port with SC connector
- Supports fiber optic up to 35km

FST-802S50

- One 100BASE-FX port with SC connector
- Supports fiber optic up to 50km

FST-806A20

- One 100BASE-FX port with WDM connector
- Supports fiber optic up to 20km

FST-806B20

- One 100BASE-FX port with WDM connector
- Supports fiber optic up to 20km

Media Converter Chassis



Offering more capacity to the converters in one chassis, the MC-700/MC-1500 provides 7-/15-slots in the 10”-19” rack saving more spaces for fiber-optic wiring yet simplifying the maintenance of media conversion. It allows the connectivity of up to 7-/15-slot PLANET Fast Ethernet, Gigabit Ethernet or VDSL2 Converters in one chassis. One fan with LED indicators for the system cooling is also available.

Providing redundant power to gain more reliable media conversions, the MC-1500R/MC-1500R48 offers 15 slots for PLANET's full-ranging Media Converter series and 2 slots for 130W or DC -48V redundant power supply. It allows the connectivity of up to 15 PLANET Fast Ethernet, Gigabit Ethernet or VDSL2 Converters in one chassis. Two fans with LED indicators for the system cooling are also available.

The MC-700, MC-1500, MC-1500R and MC-1500R48 offer flexibility in installation and cost-effective scalable solution. With an independent power supply on each slot of the MC-700, MC-1500, MC-1500R and MC-1500R48, any converter is hot-swappable without causing an interruption to other converters. The Media Converters and power modules can be plugged and played anytime. Each bay of the Media Converter Chassis can be populated with any of PLANET’s Media Converter series, the FT, GT, VC-20x and ICS, which provide media conversion between fiber optic, phone wire and serial to copper lines.

- High-quality 10”/19” rack-mountable chassis installation
- Bay power isolation ensures each bay is electrically isolated from each other
- Power protection: protection from over voltage, over current and short circuit
- One/two built-in fans for hardware cooling
- Supplies the converters and power modules to be plugged and played
- Reduces the effort of converter maintenance and management and diagnose the status at one time
- FCC Part 15 Class A, CE



MC-1500R Rear Panel

MC-700

- 7-slot hot-swappable
- LED indicators for system status monitoring
- Built-in AC power supply unit

MC-1500

- 15-slot hot-swappable
- LED indicators for system status monitoring
- Built-in AC power supply unit

MC-1500R

- 15-slot hot-swappable
- LED indicators for system status monitoring
- One AC 100-240V power input
- Redundant power supply with option of 100~240V AC or -48V DC

MC-1500R48

- 15-slot hot-swappable
- LED indicators for system status monitoring
- One DC -48V power input
- Redundant power supply with option of 100~240V AC or -48V DC

Gigabit Ethernet Media Converters



For the flexibility of all kinds of 10/100/1000Mbps Ethernet Media on RJ45 port and highly-stable Gigabit fiber performance, PLANET GT-802, GT-802S, GT-805A and GT-806A/B series and GT-1205A Gigabit Ethernet Media Converter extend communication distance with Gigabit performance via fiber optic cable. The GT-80x series and GT-1205A provide media conversion between 10/100/1000BASE-T and 1000BASE-SX/LX interfaces such as multi-mode LC/SC connectors (220m/550m), single-mode LC/SC connectors (10/20/30/40/50/70/120km) and single fiber connectors (WDM, 15/60km) for various fiber optic applications.

PLANET GT-80x series and GT-1205A Gigabit Ethernet Media Converter support auto MDI/MDI-X on their TP port. The GT-802x series provides DIP switch to configure the Link Fault pass-through function (LFP). LLCF/LLR can immediately alarm administrators the problem of the link media and provide efficient solution to monitoring the network. The DIP switch provides disabling or enabling the LFP function.

The GT-80x series and GT-1205A can be used as a standalone unit when powered by its DC adapter or used as a slide-in module to PLANET 10-/19-inch 7-/15-slot Media Converter Chassis (MC-700/MC-1500/MC-1500R/MC-1500R48).

- Complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T, IEEE 802.3z 1000BASE-SX/LX
- IEEE 802.3x full-duplex flow-control and back-pressure in half-duplex eliminate the loss of packets
- Auto MDI/MDIX on TP port
- 9K jumbo frame
- OAM terminal (TS-1000 and IEEE 802.3ah)
- LED indicators for easy network diagnostics
- External 5V/2A DC power supply
- Wall mounting and DIN-rail supported
- Compact in size, easy installation
- 10-/19-inch chassis compatibility (MC-700/MC-1500/MC-1500R/ MC-1500R48)

GT-802

- One 1000BASE-SX port with SC connector
- Supports fiber optic up to 550m

GT-802S

- One 1000BASE-LX port with SC connector
- Supports fiber optic up to 10km

GT-805A

- One 1000BASE-SX/LX SFP slot
- Supports fiber optic up to 120km (Vary on SFP module)

GT-806A15

- One 1000BASE-LX port with WDM connector
- Supports fiber optic up to 15km

GT-806B15

- One 1000BASE-LX port with WDM
- Connector
- Supports fiber optic up to 15km

GT-806A60

- One 1000BASE-LX port with WDM connector
- Supports fiber optic up to 60km

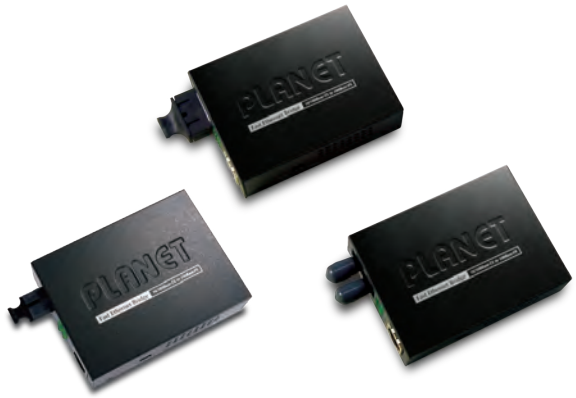
GT-806B60

- One 1000BASE-LX port with WDM connector
- Supports fiber optic up to 60km

GT-1205A

- Dual 1000BASE-X mini-GBIC SFP slot
- Supports fiber optic up to 120km (depending on SFP module)
- One 10/100/1000BASE-T Copper Port
- 3-port switch mode or redundant mode
- Hardware fiber port redundancy
- IEEE 802.3x flow control

Fast Ethernet Media Converters



PLANET FT-80x series is a Fast Ethernet Bridge 100BASE-FX fiber to 10/100BASE-TX shielded twisted pair (STP) converter. It supports both half-duplex and full-duplex operations and a variety of fiber options. The converter automatically adapts to the highest level of performance supported by the device connected to the STP port.

The fiber port of FT-80x series operates at 1310nm and uses ST, SC, MTRJ and WDM connectors. Multi-mode models support distances up to 2km and single-mode models that support distances up to 15/20/35/50km are available.

PLANET FT-80x series is with LFP (Link Fault Pass-through) function, LLCF/LLR and the DIP Switch design. LLCF/LLR can immediately alarm administrators the problem of the link media and provide efficient solution to monitoring the network. The DIP switch provides disabling or enabling the LFP function.

PLANET FT-1205A is a 3-port redundant Media Converter which supports conversion between 10/100BASE-TX and 100BASE-FX network. It is designed for critical networks that require fibers or copper links to automatically recover less than 10ms, such as ISPs, telecoms, hospitals, banks and enterprises.

The SFP slot supports single-mode, multi-mode and WDM small-form factory type transceiver modules for various applications. The FT-1205A is highly reliable and flexible to extend the distance up to 2km, 20km or longer. Depending on the 100BASE-FX SFP transceiver modules, the Ethernet signal allows two types of segments to connect easily and efficiently.

The FT-80x series and FT-1205A can be used as a standalone unit when powered by its DC adapter or used as a slide-in module to PLANET 10-/19-inch 7-/15-slot Media Converter Chassis (MC-700/MC-1500/MC-1500R/MC-1500R48).

- Complies with IEEE 802.3, IEEE 802.3u 10/100BASE-TX, 100BASE-FX
- IEEE 802.3x full-duplex flow-control and back-pressure in half-duplex eliminate the loss of packets
- Auto MDI/MDIX on TP port
- Rear DIP switch for FX duplex mode selection
- Side DIP switch for LFP mode selection
- LED indicators for easy network diagnostics
- External 5V/2A DC power supply
- Wall mounting and DIN-rail supported
- Compact in size, easy installation
- 10-/19-inch chassis compatibility (MC-700/MC-1500/MC-1500R/MC-1500R48)

FT-801

- One 100BASE-FX port with ST connector
- Supports fiber optic up to 2km

FT-802

- One 100BASE-FX port with SC connector
- Supports fiber optic up to 2km

FT-803

- One 100BASE-FX port with MTRJ connector
- Supports fiber optic up to 2km

FT-802S15

- One 100BASE-FX port with SC connector
- Supports fiber optic up to 15km

FT-802S35

- One 100BASE-FX port with SC connector
- Supports fiber optic up to 35km

FT-802S50

- One 100BASE-FX port with SC connector
- Supports fiber optic up to 50km

FT-806A20

- One 100BASE-FX port with WDM connector
- Supports fiber optic up to 20km

FT-806B20

- One 100BASE-FX port with WDM connector
- Supports fiber optic up to 20km

FT-1205A

- Dual 100BASE-FX SFP slot
- Supports fiber optic up to 60km (Vary on SFP module)
- 3-port switch mode or redundant mode
- LBR (Loop Back Reply) on/off selection

Standalone Managed Media Converters



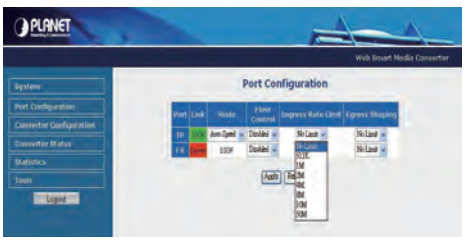
PLANET FT-90x series provides conversion between 10/100BASE-TX and 100BASE-FX network. There are SC/LC/WDM connectors and single-mode/multi-mode media for your needs. Ethernet signal allows two types of segments to connect easily, efficiently and inexpensively.

PLANET GT-90x series provides much flexibility with all kinds of 10/100/1000Mbps Ethernet Media on RJ45 port and offers highly stable Gigabit fiber performance. It supports conversion between 10/100/1000BASE-T and 1000BASE-LX/SX network, which includes SC/SFP/WDM connectors with single-mode or multi-mode media as required.

For efficient management, PLANET FT-90x/GT-90x Managed Ethernet Media Converter series is equipped with remote Web/SNMP interface. With its built-in Web-based management, PLANET FT-90x/GT-90x series acts as an easy-to-use, platform-independent management and configuration facility.

The FT-90x/GT-90x series can be used as a stand-alone unit or as a slide-in module to PLANET Media Converter Chassis (MC-700, MC-1500 and MC-1500R, MC-1500R48). The Media Converter Chassis can provide DC power to the FT-90x/GT-90x series to maintain the fiber-optic network at the central location.

- Complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, 100BASE-FX, IEEE 802.3ab 1000BASE-T, IEEE 802.3z 1000BASE-SX/LX
- Choice of fiber connectors: SC, LC, WDM, multi-mode/single-mode
- LED indicators for easy network diagnostics
- Auto MDI/MDIX on TP port
- IP-based web interface
- SNMP v1/v2c monitor/private Enterprise MIB
- 802.1Q/Q-in-Q/Management VLAN
- Maximum frame size up to 16K bytes
- TS-1000 OAM/IEEE 802.3ah OAM/Loop Back Test
- External DC 5V 2A power supply
- Dying Gasp
- Compact in size, easy installation
- FCC Class A, CE Class A
- 10-/19-inch chassis compatibility (MC-700/MC-1500/MC-1500R /MC-1500R48)



Remote Web Management

FT-902

- One 100BASE-FX port with SC connector
- Supports fiber optic up to 2km

FT-902S15

- One 100BASE-FX port with SC connector
- Supports fiber optic up to 15km

FT-902S35

- One 100BASE-FX port with SC connector
- Supports fiber optic up to 35km

FT-902S50

- One 100BASE-FX port with SC connector
- Supports fiber optic up to 50km

FT-906A20

- One 100BASE-FX port with WDM connector
- Supports fiber optic up to 20km

FT-906B20

- One 100BASE-FX port with WDM connector
- Supports fiber optic up to 20km

GT-902

- One 1000BASE-SX port with SC connector
- Supports fiber optic up to 550m
- Supports Dying Gasp

GT-902S

- One 1000BASE-LX port with SC connector
- Supports fiber optic up to 10km
- Supports Dying Gasp

GT-905A

- One 1000BASE-SX/LX SFP slot
- Supports fiber optic up to 120km (depending on SFP module)
- Supports Dying Gasp

GT-906A15

- One 1000BASE-LX port with WDM connector
- Supports fiber optic up to 15km
- Supports Dying Gasp

GT-906B15

- One 1000BASE-LX port with WDM connector
- Supports fiber optic up to 15km
- Supports Dying Gasp

GT-906A60

- One 1000BASE-LX port with WDM connector
- Supports fiber optic up to 60km
- Supports Dying Gasp

GT-906B60

- One 1000BASE-LX port with WDM connector
- Supports fiber optic up to 60km
- Supports Dying Gasp

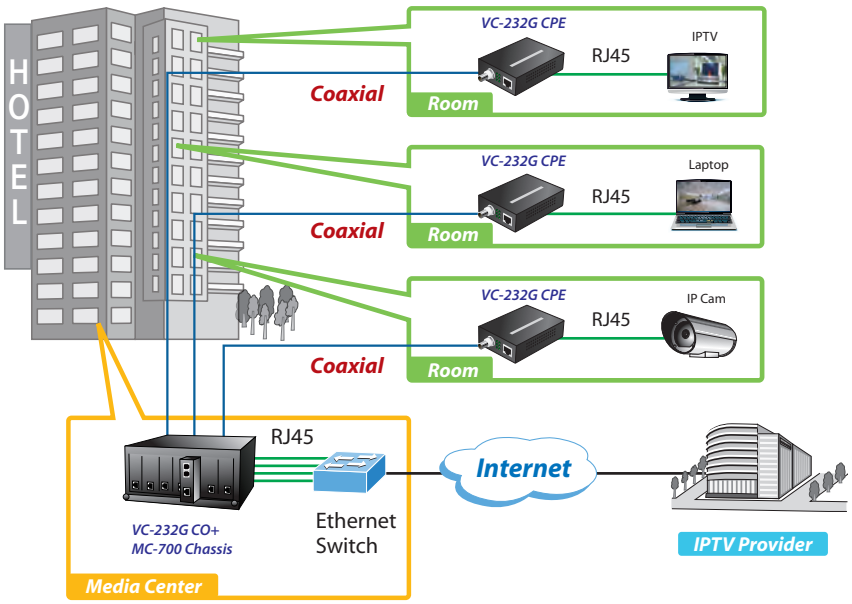
VDSL2 Media Converters



PLANET VC series is Ethernet-over-VDSL2 Media Converter with high performance. It is based on two core networking technologies, Ethernet and VDSL2 (Very-high data-rate Digital Subscriber Line 2). The VDSL2 technology offers the absolutely fastest data transmission speeds over the existing copper telephone lines without the need of rewiring.

The VC series can be used as a standalone unit when powered by its DC adapter or used as a slide-in module to PLANET 10-/19-inch 7-/15-slot Media Converter Chassis (MC-700/MC-1500/MC-1500R/MC-1500R48).

- Complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX and IEEE 802.3x flow control Ethernet standards
- CO/CPE selectable via DIP switch
- DMT (Discrete Multi-Tone) line coding
- IEEE 802.1Q VLAN tag transparent, 1536 bytes packet size support
- LED indicators for easy network diagnostics
- External DC 5V 2A power supply
- Wall mounting and DIN-rail supported
- Compact in size, easy installation
- 10-/19-inch chassis compatibility (MC-700/MC-1500/MC-1500R/MC-1500R48)



VC-201A

- ITU-T G.993.2 VDSL2 (Profile 17a)
- 2 RJ11 connectors for VDSL2 and POTS connection with up to 1.4km distance support

VC-202A

- ITU-T G.993.2 VDSL2 (Profile 17a)
- One BNC connector for VDSL2 connection with up to 3km distance support

VC-231

- ITU-T G.993.2 VDSL2 (Profile 17a/30a)
- One RJ11 connector for VDSL2 connection with up to 1.4km distance support

VC-231G

- One RJ11 connector for VDSL2 connection
- One 10/100/1000BASE-T RJ45
- ITU-T G.993.5 G.vectoring and G.INP
- Upstream/Downstream bandwidth up to 200/100Mbps
- CO/CPE mode selectable via DIP switch
- Selectable target band plan and SNR margin

VC-232G

- One BNC connector for VDSL2 connection
- Uses existing RG59/RG6 coaxial cable
- One 10/100/1000BASE-T RJ45
- ITU-T G.993.5 G.vectoring and G.INP
- Upstream/Downstream bandwidth up to 200/100Mbps
- CO/CPE mode selectable via DIP switch
- Selectable target band plan and SNR margin

VC-234G/IVC-234GT

- One RJ11 connector for VDSL2 connection
- One phone connector for telephone connection
- Four 10/100/1000BASE-T RJ45
- ITU-T G.993.5 G.vectoring and G.INP
- Upstream/Downstream bandwidth up to 200/100Mbps
- CO/CPE mode selectable via DIP switch
- Selectable target band plan and SNR margin
- -40 to 75 degrees C operating temperature (IVC-234GT)

Serial over Ethernet Media Converters

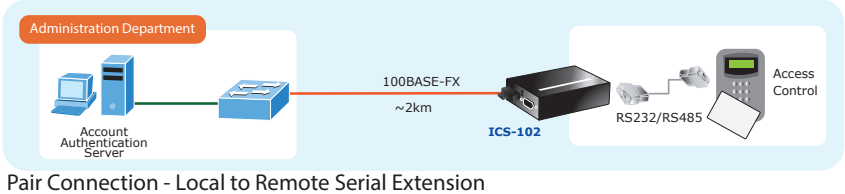


PLANET ICS-10x Media Converter/Device Server series can convert Serial RS232/RS422/RS485 communication interface over Fast Ethernet networking. There are RJ45 and SC type connectors and single-mode/multi-mode media for customers' needs. Ethernet signal allows two types of segments to connect easily and efficiently. The ICS-10x converter can be used as a stand-alone unit or as a slide-in module to PLANET Media Converter Chassis (MC-700/MC-1500/MC-1500R/MC-1500R48). It greatly saves time and expense for users and SIs without the need of replacing the existing serial equipment and software system.

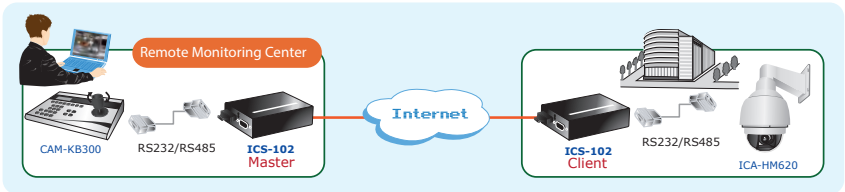
The ICS-10x enables the serial equipment to be connected via IP-based transmission. It also enables them to be connected to a TCP/IP networking immediately. The ICS-10x provides management through Web interface. It supports application mode, serial operation mode alarm connection and IP address, etc. It helps the network administrators to reduce the amount of valuable time spending on detecting and locating network problems, otherwise, it requires visual inspection of cabling and equipment. For large networking environment, multiple connection options are available with the ICS-10x Media Converter series as well.

- Complies with IEEE 802.3, IEEE 802.3u 10/100BASE-TX, 100BASE-FX standard
- Choice of fiber connectors: SC/LC, multi-mode/single-mode fiber
- IP-based web interface
- SMTP e-mail for alarm notification of events
- LED indicators for easy network diagnostics
- PLANET Smart Discovery utility finds ICS-10x devices on the network automatically
- Firmware upgrade via HTTP protocol
- Reset button on the front panel for reset to factory default
- Wall mounting and DIN-rail supported
- Compact in size, easy installation
- 10-/19-inch chassis compatibility (MC-700/MC-1500/MC-1500R/MC-1500R48)

Standalone Installation - Device Gateway Server



Pair Connection - Local to Remote Serial Extension



ICS-100

- One RS232/RS422/RS485 port
- 1-port 10/100BASE-TX, auto MDI/MDIX

ICS-102

- One RS232/RS422/RS485 port
- 1-port 100BASE-FX SC, 2km fiber optic

ICS-102S15

- One RS232/RS422/RS485 port
- 1-port 100BASE-FX SC, 15km fiber optic

ICS-105A

- One RS232/RS422/RS485 port
- 1-port 100BASE-FX SFP fiber optic

ICS-2100

- 1-port 10/100BASE-TX
- 1 RS232 with DB9 interface
- 1 RS485 or RS422 with terminal block interface
- 24V AC and 12~48V DC redundant power
- -10 to 60 degrees C operating temperature
- IP30 metal case

ICS-2102

- 1-port 100BASE-FX SC, 2km fiber optic
- 1 RS232 with DB9 interface
- 1 RS485 or RS422 with terminal block interface
- 24V AC and 12~48V DC redundant power
- -10 to 60 degrees C operating temperature
- IP30 metal case

ICS-2105A

- 1-port 100BASE-FX SFP fiber optic
- 1 RS232 with DB9 interface
- 1 RS485 or RS422 with terminal block interface
- 24V AC and 12~48V DC redundant power
- -10 to 60 degrees C operating temperature
- IP30 metal case

10G Ethernet Media Converter



With target applications including 1Gbps, 2.5Gbps, 5Gbps and 10G Ethernet switching and aggregation, PLANET IXT and XT 10G Media converter series is ideal for wide applications for copper to fiber media conversion wherever 10Gigabit bandwidth is required.

The IXT and XT series has one RJ45 port and one SFP+ slot. It supports 10Gigabit Ethernet media conversion from copper 10GBASE-T to fiber multi-mode or single-mode, utilizing 10GBASE-SR or 10GBASE-LR SFP+ transceiver installed in the SFP+ slot to extend distances to servers, switches and patch panels. The deployment distance can be extended from 300 meters (multi-mode) to up to 60 kilometers (single-mode).

The IXT series is designed for use in network environments where the ultra-high bandwidth provided by 10Gigabit Ethernet is required, for example, data center cloud computing, enterprise backbones, campus networks, and carrier infrastructure.

IXT-705AT

- One 10GBASE-X SFP+ slot
- One 10G/5G/2.5G/1G/100M RJ45 copper
- Complies with IEEE 802.3ae 10GBASE-R
- NBASE-T featuring adaptive rate operation
- 100 meters over Cat 6A at 10Gbps
- -40~75 degrees C operating temperature
- IP30 metal case
- Low power consumption

10G SFP+ NBASE-T

Video over Fiber Optic Converters



PLANET has developed the video over Gigabit fiber media converter kit, VF-101G/102G/106G/402-KIT, which is ideal for extending the distance and signal conversion by transmitting the AHD/CVI/TVI/CVBS video and data over the fiber-optic cable.

The VF-10xG series and VF-402 include different types of fiber connectors such as ST, FC and WDM-SC which enable CCTV applications to replace the traditional coaxial cable with stable fiber cable performing more efficiently.

Adopting the intelligent encoding/decoding technology and with the compact box, the VF-10xG-KIT video over fiber media converter series enables videos to be delivered in high quality over a distance of up to 20km long.

- High-speed synchronous digital transmission technology
- 8-/10-bit digital video signal sampling
- Data type: RS485
- PAL, NTSC, SECAM compatible
- Long-distance data transmission of 20km
- Guarantees safe transmission under poor electromagnetic environment
- Compliant with hybrid video (AHD/TVI/CVI/CVBS)
- Compact size, wall mounting and DIN-rail supported, easy installation
- Standalone or work with PLANET MC-700/1500/1500R media converter chassis (For VF-10XG series)

VF-101G-KIT

- Compliant with hybrid video (AHD/TVI/CVI/CVBS)
- ST multi-mode fiber connector
- Long-distance data transmission of 20km
- Wide temperature range from -25 to 70 degrees C

VF-102G-KIT

- Compliant with hybrid video (AHD/TVI/CVI/CVBS)
- FC multi-mode fiber connector
- Long-distance data transmission of 20km
- Wide temperature range from -25 to 70 degrees C

VF-106G-KIT

- Compliant with hybrid video (AHD/TVI/CVI/CVBS)
- WDM-SC multi-mode fiber connector
- Long-distance data transmission of 20km
- Wide temperature range from -25 to 70 degrees C

VF-402-KIT

- Compliant with hybrid video (AHD/TVI/CVI/CVBS)
- FC multi-mode fiber connector
- Long-distance data transmission of 20km
- Wide temperature range from -20 to 70 degrees C
- Fiber optic transmission of four video signals on one fiber with RS485 data signals



GEPON OLT
- EPL-2220

High-Performance Internet Solution for FTTx and Triple Play Applications

GEPON



GEPON SFU ONU
- EPN-110

VDSL2



VDSL2 Router
- VDR-301N



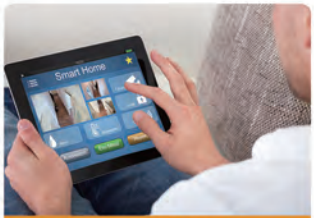
IPTV



Internet



Online Gaming



VoIP via Wi-Fi

Broadband Communication





PLANET Last Mile Transmission Solution provides not only CO (Central Office) side of equipment for ISPs but also CPE (Customer Premises Equipment) side of device for end users. Its high bandwidth certainly meets the requirements of triple play devices for today's home entertainment and communications.



Delivering Highly-demanding Connectivity for ISPs/Triple Play Devices

With the capability of 100/100Mbps symmetric data transmission, PLANET VDSL2 Solution enables many multi-media services, such as VoD (Video on Demand), Voice over IP, video phone, IPTV, Internet caching server, distance education and so on, to work on the Internet without any reservation.



1.25Gbps High-speed and 20km Long-distance Coverage for Triple Play Services

PLANET GEPON Solution provides a high bandwidth of up to 1.25Gbps for both upstream and downstream, and a long-distance coverage of up to 20km between equipment nodes for network deployment, thereby meeting the demand of increasing home multimedia and entertainment.

Managing Your Office from Your Mobile Device

Users have an IP PBX phone number including an office extension number where calls ring simultaneously on their mobile device, making it easy to connect one another wherever they are. Access to people, messages and information helps mobile users deliver whether they are in or out of the office.



GEPON



Perfectly Designed for FTTx Applications

With growing network services such as HDTV, IPTV, Voice-over-IP (VoIP) and multimedia broadband applications, the demand for broadband increases quickly. The present broadband environment is not in accord with the requirements; however, Passive Optical Network (PON) would be the most promising NGN (Next Generation Networking) technology to fulfill the demand.

- PON interface complies with IEEE 802.3ah
- Up to 20km in distance
- Up to 1.25Gbps upstream and downstream
- Dynamic bandwidth allocation (DBA) support
- Supports IEEE 802.1q VLAN
- Point-to-multipoint network topology
- Up to 32 OLTs management through single GUI
- User-friendly GUI management

EPL-2220

GEPON OLT

- Optical split ratio: Up to 1:64
- 2-PON interface, 2 x GbE SFP, 2 x 1000BASE-T RJ45, 1 x MGT port
- Supporting up to 16K MAC address table
- Supporting 802.1Q VLAN
- Up to 32 OLTs management through EMS
- User-friendly WEB management interface

EPN-110

GEPON ONU

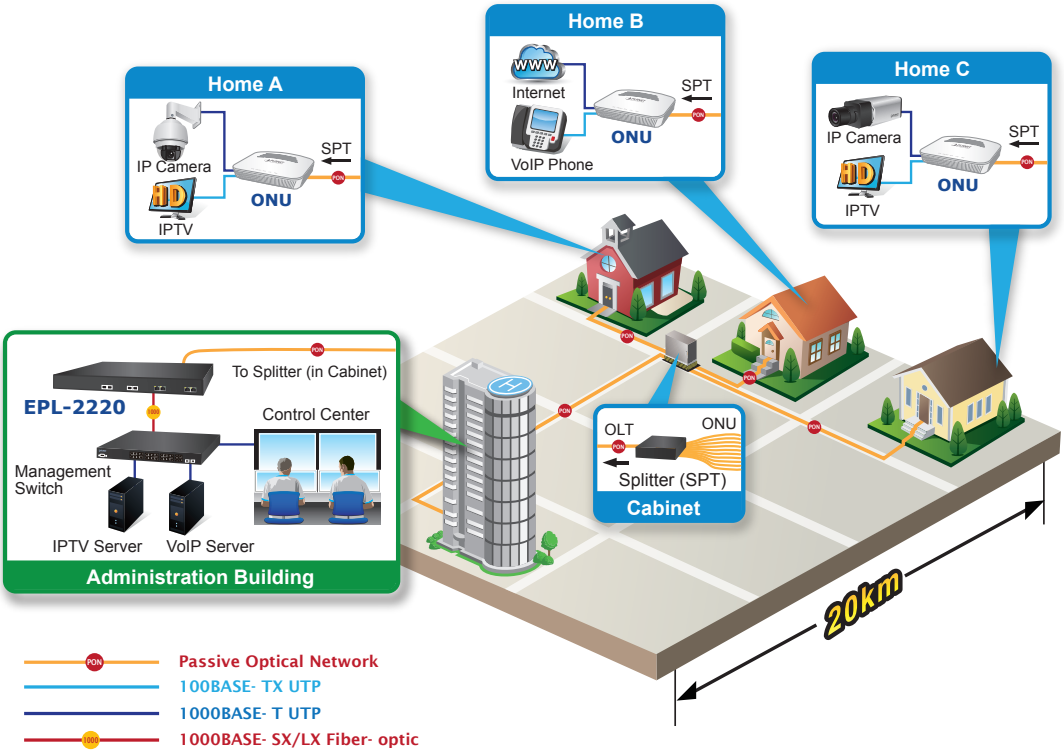
- PON interface, 1-port GE interface
- Dynamic bandwidth allocation (DBA) support
- Supports 64 MAC addresses

EPL-SPT-8/EPL-SPT-32/EPL-SPT-64

GEPON Splitter

- 1 : 8 high split ratio (EPL-SPT-8)
- 1 : 32 high split ratio (EPL-SPT-32)
- 1 : 64 high split ratio (EPL-SPT-64)
- Wide operating wavelength:1260nm to 1650nm
- Wide operating temperature: -40 to 85 degrees C

Fiber To The Home (FTTH) Application



VDSL2 IP DSLAM/CO Switches



VDL-2420M



VC-820M

VDL-2420M

24-port VDSL2 IP DSLAM + 2-port Gigabit TP/SFP Combo

- 24 VDSL2 subscriber interfaces with built-in POTS splitter
- Two 100/1000Mbps TP and SFP shared combo interfaces
- Supports ITU-T G.993.2
- Supports VDSL2 profile up to 30a
- Supports 802.1Q, Q-in-Q, GVRP VLAN
- Supports IGMP snooping v1, v2 and v3
- Supports IPv4 Web; Telnet; SNMP v1, v2c, v3 management

VC-820M

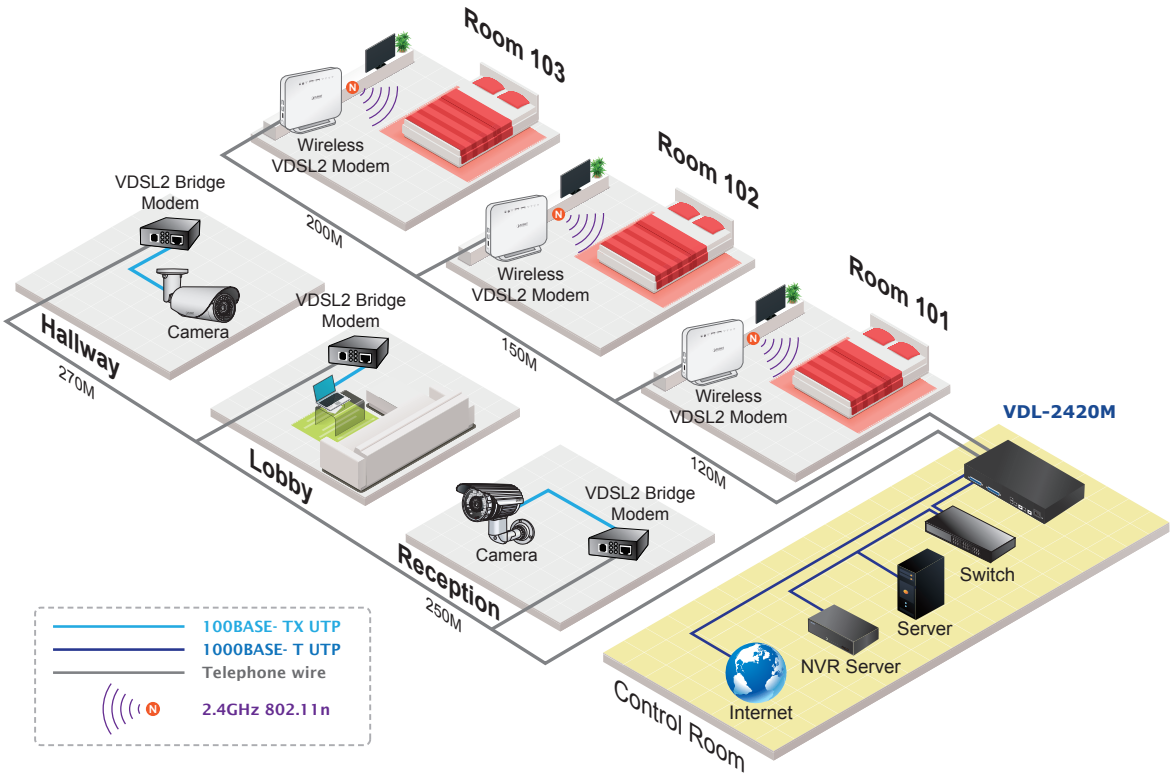
8-port VDSL2 CO + 2G TP/SFP combo managed switch

- 8-port VDSL2 CO subscriber interface

Perfectly Designed for FTTx Last Mile Applications

PLANET VDL-2420M is a telecom-level, high-performance VDSL2 IP DSLAM (Digital Subscriber Line Access Multiplexer) with 24-port VDSL2, 2-port Gigabit TP/SFP combo interfaces and robust Layer 2+ switching features. The VDL-2420M is fully compliant with the ITU-T G.993.2 standard and supports VDSL2 30a profiles to offer maximum download and upload line rate up to 100/100Mbps on the existing twisted pair lines. The VDL-2420M provides service providers with high bandwidth for triple-play services such as IPTV, HDTV, video phone and Internet gaming on the same copper line, and uplink to the core/metro Ethernet network through the two Gigabit fiber optical interfaces. It is an ideal CO solution for FTTx Last Mile applications of broadband access by ISPs, telecoms and campuses.

Hotel Application



VDSL2 Bridges/Routers



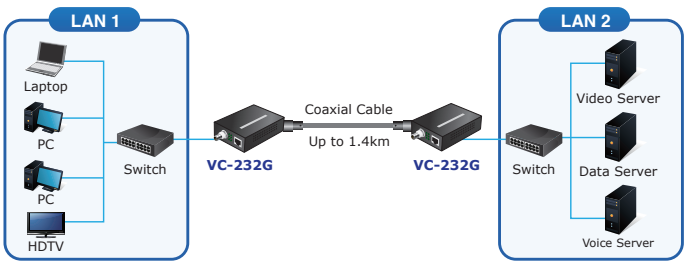
High-Performance VDSL2 Data Rate over Existing Phone Lines

PLANET 30a VDSL2 Solution contains various VDSL2 CPE (customer premises equipment) models for telecoms, ISPs (internet service providers), SIs (system integrators), IP surveillance providers, etc. It is based on two core networking technologies -- Ethernet and VDSL2 (very-high-data-rate digital subscriber line 2). The total VDSL2 solution offers the absolutely fastest data transmission speeds over the existing cooper telephone lines without the need of rewiring. The ideal xDSL technology provides the best solution to the last-mile connectivity.

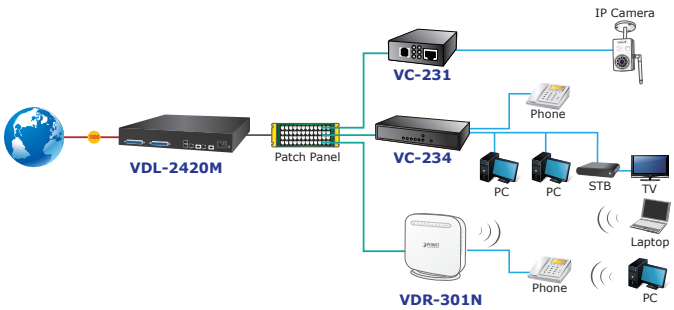
Ethernet over VDSL2 Converter

- One box design, CO/CPE selectable via DIP switch
- ITU-T G.993.2 VDSL2 (Profile 17a or Profile 30a)
- Built-in POTS splitter
- Compact in size, easy installation
- 10-/19-inch chassis compatible (MC-700/MC-1500/1500R)

VDSL2 Point to Point Application for Best Performance



VDSL2 Point to Multi-Point Application for Flexible Deployments



VC-231

High bandwidth 10/100TX over VDSL2 Media Converter

- VDSL2 ITU-T G.993.2 30a profile
- 100/100Mbps download/upload @1000ft
- 1-port 10/100BASE-TX RJ45

VC-234

High bandwidth 4-port 10/100TX to VDSL2 Bridge

- VDSL2 ITU-T G.993.2 30a profile
- 100/100Mbps download/upload @1000ft
- 4-port 10/100BASE-TX RJ45

VDR-300NU

300Mbps Dual Band Wireless VDSL2 Router

- Built-in VDSL2 modem
- G. vectoring
- Multiple WAN connections and 3G WAN backup
- Selectable dual band wireless
- TR069 compliant
- DLNA media server

VDR-301N

300Mbps Wireless VDSL2 Bridge Router

- Built-in VDSL2 modem
- G. vectoring
- Multiple WAN connections
- Supports IPv6
- TR069 compliant
- Traffic Shaping for traffic control

VC-231G

1-port 10/100/1000T Ethernet over VDSL2 Media Converter

- One RJ11 connector for VDSL connection
- One 10/100/1000BASE-T RJ45
- ITU-T G.993.5 G.vectoring and G.INP
- Upstream/Downstream bandwidth up to 200/100Mbps
- CO/CPE mode selectable via DIP switch
- Selectable target band plan and SNR margin

VC-232G

1-port 10/100/1000T Ethernet over Coaxial Media Converter

- One BNC connector for VDSL connection
- Uses existing RG59/RG6 coaxial cable
- One 10/100/1000BASE-T RJ45
- ITU-T G.993.5 G.vectoring and G.INP
- Upstream/Downstream bandwidth up to 200/100Mbps
- CO/CPE mode selectable via DIP switch
- Selectable target band plan and SNR margin

VC-234G

4-port 10/100/1000T Ethernet to VDSL2 Bridge

- One RJ11 connector for VDSL connection
- One phone connector for telephone connection
- Four 10/100/1000BASE-T RJ45
- ITU-T G.993.5 G.vectoring and G.INP
- Upstream/Downstream bandwidth up to 200/100Mbps
- CO/CPE mode selectable via DIP switch
- Selectable target band plan and SNR margin



ADSL 2/2+ IP DSLAMs

PLANET ADSL2/ADSL2+ mini IP DSLAM with 1000BASE-T uplink interface offers scalable and easy deployment for the network with small ADSL environment. With the built-in POTS splitter subscriber ports, the IP DSLAM performs a cost-effective solution for network service providers to offer multiple subscribers excellent services.

- DMT data rate: Downstream up to 25Mbps, upstream up to 3Mbps
- Local RS232 CLI and Ethernet SNMP, Telnet, SSH management
- Supports IPSec, L2TP, PPTP VPN pass-through
- Supports IEEE 802.1q tag-based VLAN and protocol-based VLAN
- Layer 2/3 filtering based on MAC, IP, Protocol, Port Number and Ether Type
- Access Control List by MAC, IP, Protocol and Port Number
- Traffic prioritization (802.1p)
- Supports IGMP snooping/proxy per IGMP v1, v2, and v3
- Temperature monitoring and system overheating trap functionality
- Supports IEEE 802.1d Spanning Tree Protocol and IEEE 802.3ad Link Aggregation

IDL-2402

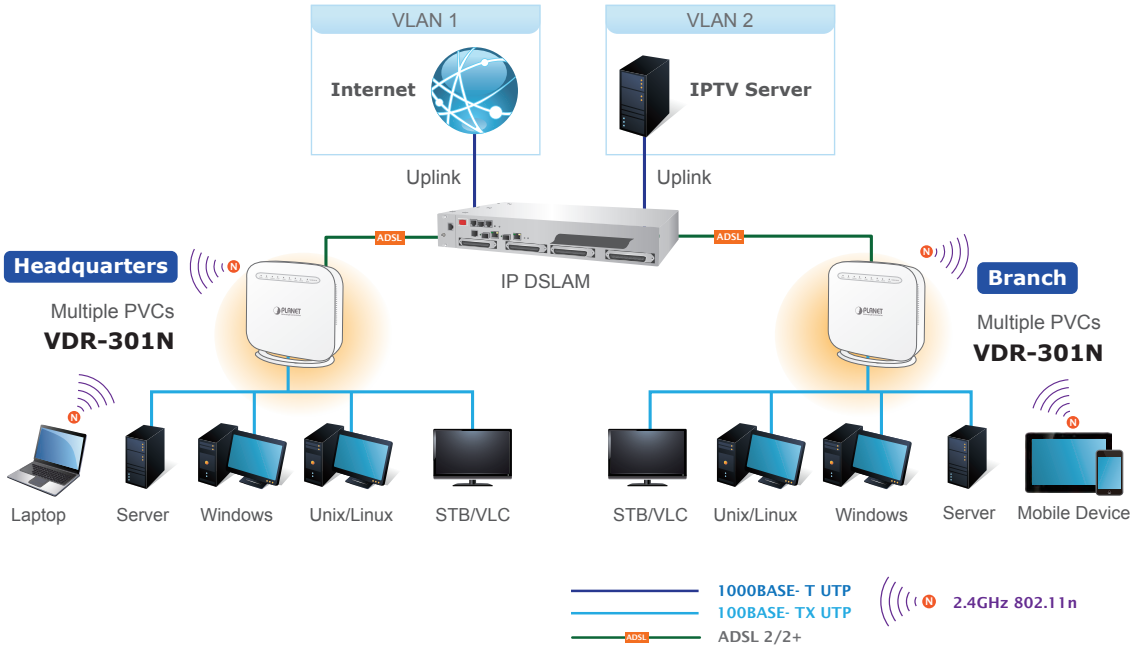
- 24-port ADSL/ADSL2/ADSL2+ subscriber interface with built-in POTS splitter
- 1000BASE-T uplink interface



IDL-4802

- 48-port ADSL/ADSL2/ADSL2+ Subscriber interface with built-in POTS splitter
- 2 x 1000BASE-T or 2 x mini-GbE uplink interface



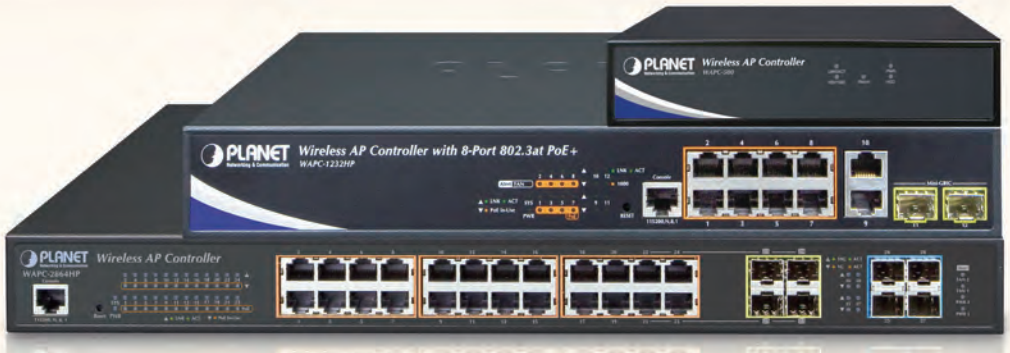






Wireless AP Management Solution

► WAPC-1232HP / WAPC-2864HP / WAPC-500



► Wireless AP Controller

Optimizing Wireless Network within Minutes

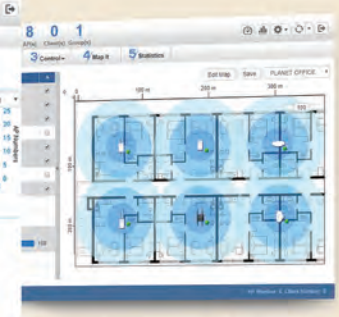
Control over 500 APs



Graphical Statistics



Dashboard



Zone Plan

Efficiently Centralized AP Management

When deploying a large number of wireless APs in buildings such as hotel, villas, resorts and more, PLANET Wireless AP Management Solution enables service providers and IT managers to centrally manage up to 500 APs in different locations at the same time. The administrator can automatically discover, configure, update and monitor all the managed APs through one single browser-based web user interface without configuring each AP one by one, thus greatly enhancing the wireless network management efficiency.





Ultra-high-speed Wireless Mobility Solution

PLANET 802.11ac Wireless Solution provides ultra high-speed wireless transmission for enterprise, SOHO and industrial networking deployments. With its outstanding stability of high-speed wireless transmission and enhanced reliability, the 802.11ac Wireless Solution can provide users with excellent multimedia streaming through their mobile devices anywhere, anytime.



Reliable Wireless Data Transmission

PLANET Outdoor Wireless Solution featuring 2.4GHz/5GHz dual band wireless communications provides higher transmit power, better performance, wider coverage and stable connection for all kinds of outdoor applications.

All-Weather Protection for Outdoor Environment

With the IP66-rated, rugged aluminum housing and operating temperature ranging from -40 to 70 degrees C, PLANET Outdoor Wireless Solution can perform normally under rigorous weather conditions, including heavy rain, wind and snow.



Wireless AP Management Solution

PLANET Wireless AP Management Solution offers multiple ways of central AP management with Hardware AP Controller, Software AP Controller and Firmware AP Controller. The solution enables you to control up to 500 APs in different indoor or outdoor locations at the same time. Featuring the friendly floor plan, dashboard and graphical statistic functions through one single browser-based web user interface, the administrator can easily discover, configure, update and monitor all the managed APs.

Hardware AP Controller

WAPC-500

Wireless AP Controller

- AP auto-discovery
- Control up to 512 APs
- Central provisioning and cluster management
- Easy deployment with map positioning
- Real-time AP status monitoring
- Rogue AP detection
- User authentication and MAC ACL
- Customized captive portal
- Profile creation and maintenance
- Online firmware detection and batch upgrade
- Supported AP Models: WDAP-C7200E, WDAP-W7200AC, WNAP-C3220E, WNAP-W2200UE, WDAP-C7200AC, WNAP-C3220A, WNAP-W2201A, WDAP-702AC, WDAP-802AC, WAP-200N, WAP-252N, WAP-500N, WAP-552N, WBS-200N, WBS-500N, WBS-502AC

512 APs | Google Map | Floor Map | RADIUS



CS-950

UTM AP Controller

- Control up to 50 APs
- Central provisioning and cluster management
- AP settings delivering at a time
- User-defined SSID sorting per AP
- Configurable AP management account
- User authentication and MAC ACL
- Customized captive portal
- Unified security gateway with VPN connectivity
- Advanced anti-virus and anti-spam services
- IDP service and content filtering
- Supported AP Models: WDAP-702AC, WBS-200N, WAP-200N

*Check our company website for more updated supported AP models.

50 APs | RADIUS | VPN



WAPC-2864HP

Wireless AP Controller with 24-port PoE+

- AP discovery up to 64 managed APs
- 24 built-in 802.3at PoE+ ports to directly manage AP power control
- AP/PD alive check for operating status diagnostics
- 440-watt PoE budget
- 4 10G SFP+ uplink interfaces
- IPv6/IPv4 Layer 3 static routing
- Supported AP Models: WDAP-C7200AC, WDAP-W7200AC, WNAP-C3220A, WNAP-W2201A

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64 APs | 802.3at PoE | Floor Map



WAPC-1232HP

Wireless AP Controller with 8-port PoE+

- AP discovery up to 32 managed APs
- Eight built-in 802.3at PoE+ ports to directly manage AP power control
- AP/PD alive check for operating status diagnostics
- 240-watt PoE budget
- Supported AP Models: WDAP-C7200AC, WDAP-W7200AC, WNAP-C3220A, WNAP-W2201A

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32 APs | 802.3at PoE | Floor Map





Indoor Managed Access Points

Outdoor Managed Access Points

Software AP Controller

Smart AP Control (SAPC)

- AP auto-discovery
- Control up to 256 APs
- Central provisioning and cluster management
- Easy deployment with map positioning
- Real-time AP status monitoring
- Profile creation and maintenance
- VM-based control, cross platforms
- Free license fee
- Supported AP Models: WDAP-C7200E, WDAP-W7200AC, WNAP-C3220E, WNAP-W2200UE, WDAP-C7200AC, WNAP-C3220A, WNAP-W2201A, WDAP-702AC, WDAP-802AC, WAP-200N, WAP-252N, WAP-500N, WAP-552N, WBS-200N, WBS-500N, WBS-502AC



Firmware AP Controller

Network Management System (NMS)

- AP auto-discovery
- Control 1 to 5 APs (the same model required)
- Central provisioning and cluster management
- Easy deployment with map positioning
- Real-time AP status monitoring
- Profile creation and maintenance
- Supported AP Models: WDAP-C1750, WDAP-1750AC



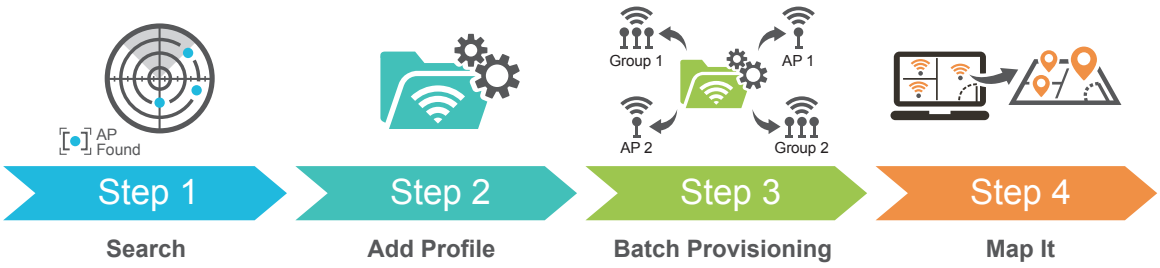


Smart AP Control

AP Management Just Got Easier, More User-friendly & More Usable



Simplified Cluster Management with 4 Steps





Enterprise Wi-Fi Networking Solution

PLANET enterprise PoE access points feature the latest 802.11ac wireless technology, advanced management functions and superior encryption standard yet cost-effectiveness. Meeting today's demand for advanced performance and security, PLANET enterprise PoE access points include multiple SSIDs, WPA/WPA2, RADIUS MAC authentication and so forth. It is the perfect choice for homes, SOHOs, hotels, and offices to allow you to check e-mail and surf the Internet via the 2.4GHz band and simultaneously watch high-definition (HD) video or any other multimedia application via the 5GHz band.

Enterprise Wireless Access Points

WDAP-1750AC

1750Mbps 802.11ac Wireless AP

- Simultaneous dual-band connectivity in 2.4GHz 450Mbps and 5GHz 1300Mbps
- Gigabit Ethernet ports, one port 802.3at PoE/PD and one port 802.3af PoE/PSE supported
- Built-in RADIUS server
- 802.1Q VLAN tag over WDS and 32 multiple-SSIDs
- Centrally managed by PLANET Firmware AP Controller

1750 Mbps | 11ac | NMS



WDAP-C1750

1750Mbps 802.11ac Wireless AP

- Simultaneous dual-band connectivity in 2.4GHz 450Mbps and 5GHz 1300Mbps
- Gigabit Ethernet port, 802.3at PoE/PD supported
- Built-in RADIUS server
- 802.1Q VLAN tag over WDS and 32 multiple-SSIDs
- Centrally managed by PLANET Firmware AP Controller

1750 Mbps | 11ac | NMS



WDAP-C7200E

Dual Band 1200Mbps 802.11ac Wireless AP

- Simultaneous dual-band connectivity in
- 2.4GHz 300Mbps and 5GHz 867Mbps
- Gigabit Ethernet ports, 802.3at PoE/PD supported
- 802.1Q VLAN mapping multiple SSIDs
- AP router, universal repeater, WISP mode
- Centrally managed by PLANET WAPC series and Software AP Controller

1200 Mbps | 11ac | AP Control





Multiple Network Technologies for Incredibly 1750Mbps High-Speed Connection

The WDAP-1750AC supports IEEE 802.11a/b/g/n/ac dual band standard with 3T3R antenna technology; therefore, it can provide the wireless speed up to 450+1300Mbps which is 3 times faster than the traditional 11n Access Point. Moreover, the WDAP-1750AC is equipped with all Gigabit Ethernet ports and hardware designed Wi-Fi ON/OFF switch. Compared with general wireless APs, the WDAP-1750AC offers faster transmission speed and more convenient method to enable or disable wireless signal.

Enterprise Wireless Access Points

WDAP-C7200AC

1200Mbps 802.11ac Wireless AP

- Simultaneous dual-band connectivity in 2.4GHz 300Mbps and 5GHz 867Mbps
- Gigabit Ethernet port, 802.3at PoE/PD supported
- Supports 10 multiple-SSIDs
- Multiple operation modes: AP, Client, WDS, Universal Repeater
- Centrally managed by PLANET WAPC series and Software AP Controller

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1200 Mbps | 11ac | AP Control



WDAP-W7200AC

1200Mbps 802.11ac Wireless AP

- Simultaneous dual-band connectivity in 2.4GHz 300Mbps and 5GHz 867Mbps
- Gigabit Ethernet port, 802.3at PoE/PD supported
- Supports 10 multiple-SSIDs
- Multiple operation modes: AP, Client, WDS, Universal Repeater
- Centrally managed by PLANET WAPC series and Software AP Controller

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1200 Mbps | 11ac | AP Control



WNAP-C3220E

2.4GHz 300Mbps 802.11n Wireless AP

- 10/100BASE-TX port, 802.3af PoE/PD supported
- 802.1Q VLAN mapping multiple-SSIDs
- AP Router, Universal Repeater, WISP modes
- Centrally managed by PLANET WAPC series and Software AP Controller

AP Control | 802.1Q VLAN



WNAP-C3220A

300Mbps 802.11n Wireless AP

- 10/100BASE-TX port, 802.3at PoE/PD supported
- Supports 5 multiple-SSIDs
- Management Utility and SNMP supported
- Sleek, stylish and ceiling-mountable design
- Centrally managed by PLANET WAPC series and Software AP Controller

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AP Control



WNAP-W2200UE

2.4GHz 300Mbps 802.11n Wireless AP

- 10/100BASE-TX ports, with one 802.3af PoE/PD port supported
- 802.1Q VLAN mapping multiple SSIDs
- AP router, universal repeater, WISP mode
- In-wall design with USB charger port
- Centrally managed by PLANET WAPC series and Software AP Controller

AP Control | 802.1Q VLAN



WNAP-W2201A

300Mbps 802.11n Wireless AP

- 10/100BASE-TX ports, with one 802.3af PoE/PD port supported
- Supports 5 multiple-SSIDs
- Management Utility and SNMP supported
- In-wall design with RJ11 ports for phone line connection
- Centrally managed by PLANET WAPC series and Software AP Controller

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AP Control | In-wall



Wireless Presentation Gateways

WIPG-300H

- Full HD1080p HDMI/VGA output
- 4-to-1 split screen projection
- 300Mbps 802.11n MIMO technology
- 802.11n Wi-Fi AP and AP-Client mode
- Up to 30fps network screen projection
- SidePad manages projection via iOS/Android device
- Web Slides allow audience to view the slides from web browser
- USB over IP for touch screen and IWB
- Multiple users access in standby and conference modes

1080p FULL HD | 300 Mbps



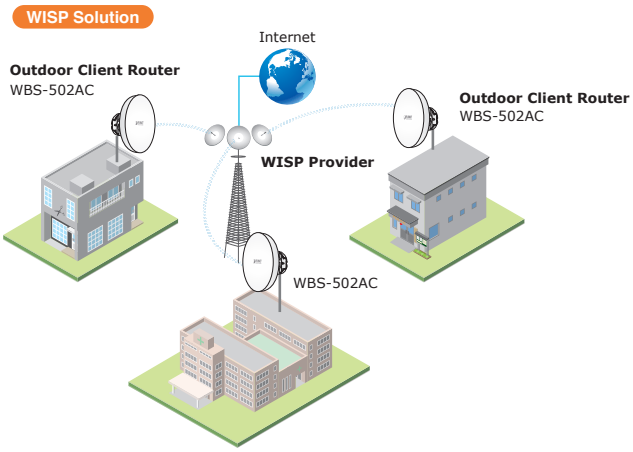


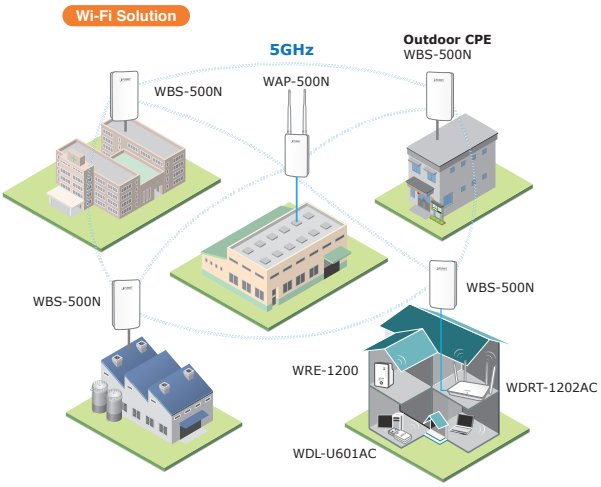


Outdoor Wireless LAN Solutions

WISP Solution

Compared with the traditional ISP provider that offers wired Internet service, PLANET WISP solution provides more elastic, more effective and low-cost wireless Internet service, and no limitation of place, be it a small residence or campus.



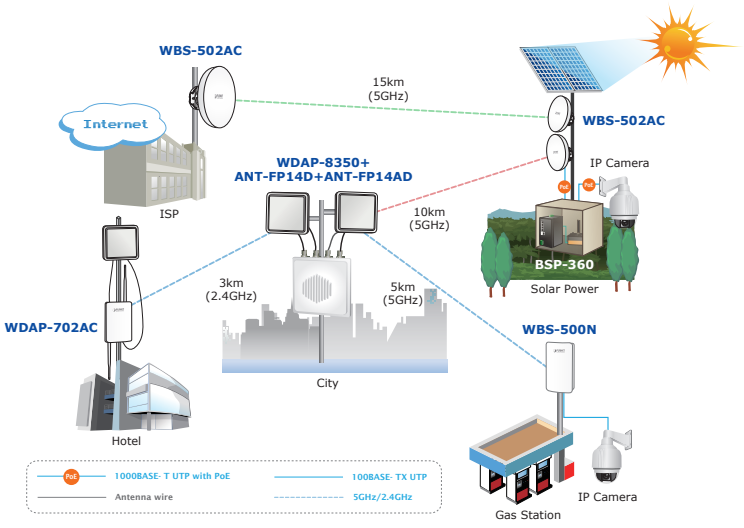


Outdoor Wi-Fi LAN Solution

It provides small and medium businesses or SOHO with wireless LAN data transmission solution. It features a wireless point to point/multiple point to multiple point bridge, general data transmission and media transmission like surveillance monitoring between buildings. It is suitable for wide-ranging connectivities.

Outdoor CPE/Client

PLANET Outdoor Wireless Solution supports multiple wireless communication connectivities (AP, Client CPE, WDS PtP, WDS PtMP, Repeater, Universal Repeater and WISP) suitable for various application requirements and thus it helps users to easily build a wireless network and extend the wireless range of the existing wireless network.



5GHz and 2.4GHz 802.11n/ac Wireless Outdoor Solutions

PLANET Outdoor Wireless Solution provides higher transmission power, longer distance, and better performance than standard outdoor wireless access points. It is equipped with various antennas and multiple adjustable transmission output power controllers which are quite suitable for longer distance and widely open space applications.

Dual-band 802.11a/b/g/n/ac Wireless Outdoor CPEs

WDAP-802AC

Dual-band 1200Mbps 802.11ac Outdoor AP

- Simultaneous 2.4GHz (Wi-Fi access) and 5GHz (backhaul) wireless network
- Gigabit wire and 1200Mbps wireless
- connectivity (dual-band)
- 4 built-in N-type (F) antenna connectors
- 802.1Q VLAN mapping multiple SSIDs
- Ground terminal design, IP68 rating
- 802.3at Power over Ethernet
- Centrally managed by PLANET WAPC series and Software AP Controller



N Type | IP68 | 11ac Dual-band

WDAP-702AC

Dual-band 1200Mbps 802.11ac Outdoor AP

- Simultaneous 2.4GHz (Wi-Fi access) and 5GHz (backhaul) wireless network
- Gigabit wire and 1200Mbps wireless connectivity (dual-band)
- 4 built-in RP-SMA (F) antenna connectors
- 802.1Q VLAN mapping multiple-SSIDs
- IPv4 and IPv6 dual-stack networks
- Guest network, band-steering, fast-roaming
- Ground terminal design, IP55 protection
- 802.3at Power over Ethernet design
- Centrally managed by PLANET Hardware and Software AP Controller



RP-SMA | 11ac Wave2 | 802.11 k/r Roaming

WDAP-8350

Dual-band 600Mbps 802.11n Outdoor CPE

- Simultaneous 2.4GHz (Wi-Fi access) and 5GHz (backhaul) wireless network
- Gigabit wire and 600Mbps wireless connectivity (dual-band)
- 4 built-in N-type (F) antenna connectors
- 802.1Q VLAN mapping multiple-SSIDs
- IPv4 and IPv6 dual-stack networks
- Dual-image backup mechanism
- Ground terminal design, IP66 protection
- 802.3at Power over Ethernet design



N Type | IP66 | Dual-N Band

5GHz 802.11a/n/ac Wireless Outdoor CPEs

WAP-552N

5GHz 300Mbps 802.11n Outdoor AP

- Built-in 2 N-type (F) antenna connectors
- AP, WDS PtP/PtMP, repeater, WISP mode
- IP67 rating
- 802.3at Power over Ethernet
- 802.1Q VLAN mapping multiple SSIDs
- Centrally managed by PLANET WAPC series and Software AP Controller



N Type | IP67

WAP-500N

5GHz 300Mbps 802.11n Outdoor AP

- Built-in 2 RP-SMA (F) antenna connectors
- AP/Client, WDS PtP/PtMP, Repeater, WISP modes
- High transmission output power
- UV resistance, IP55 protection
- Passive Power over Ethernet design
- 802.1Q VLAN
- Centrally managed by PLANET WAPC series and Software AP Controller



802.1Q VLAN | RP-SMA | 5dBi

WBS-502AC

5GHz 900Mbps 802.11ac Outdoor CPE

- Built-in 19dBi dual-polarized antenna
- AP/Client, WDS PtP/PtMP, WISP modes
- High transmission output power
- UV resistance, IP55 protection
- 360-degree 3D array of mounting brackets design
- 802.3at Power over Ethernet design
- 802.1Q VLAN
- Centrally managed by PLANET WAPC series and Software AP Controller



19dBi

WBS-500N

5GHz 300Mbps 802.11n Outdoor CPE

- Built-in 10dBi dual-polarized antenna
- AP/Client, WDS PtP/PtMP, Repeater, WISP modes
- High transmission output power
- UV resistance, IP55 protection
- Centrally managed by PLANET WAPC series and Software AP Controller



802.1Q VLAN | 10dBi

WNAP-7335

5GHz 300Mbps 802.11a/n Outdoor AP

- Built-in 2 RP-SMA (F) antenna connectors
- AP/Client, WDS PtP/PtMP, WISP modes
- High transmission output power
- UV resistance, IP55 protection
- TDMA technology enhances PtMP wireless efficiency
- 100Mbps real performance at 5km



RP-SMA

WNAP-7325

5GHz 300Mbps 802.11a/n Outdoor CPE

- Built-in 14dBi dual-polarized antenna
- AP/Client, WDS PtP/PtMP, WISP modes
- High transmission output power
- UV resistance, IP55 protection
- TDMA technology enhances PtMP wireless efficiency
- 100Mbps real performance at 5km



14dBi



2.4GHz 802.11b/g/n Wireless Outdoor Solutions

WAP-252N

2.4GHz 300Mbps 802.11n Outdoor AP

- Built-in 2 N-type (F) antenna connectors
- AP, WDS PtP/PtMP, repeater, WISP mode
- IP67 rating
- 802.3at Power over Ethernet
- 802.1Q VLAN mapping multiple SSIDs
- Centrally managed by PLANET WAPC series and Software AP Controller

N Type | IP67



WAP-200N

2.4GHz 300Mbps Outdoor AP

- Built-in 2 RP-SMA (F) antenna connectors
- AP/Client, WDS PtP/PtMP, Repeater, WISP modes
- High transmission output power
- UV resistance, IP55 protection
- Passive Power over Ethernet design
- 802.1Q VLAN
- Centrally managed by PLANET Hardware and Software AP Controller

RP-SMA | 5dBi



WBS-200N

2.4GHz 300Mbps Outdoor CPE

- Built-in 8dBi dual-polarized antenna
- AP/Client, WDS PtP/PtMP, Repeater, WISP modes
- High transmission output power
- UV resistance, IP55 protection
- Passive Power over Ethernet design
- 802.1Q VLAN
- Centrally managed by PLANET Hardware and Software AP Controller

8dBi



WNAP-6335

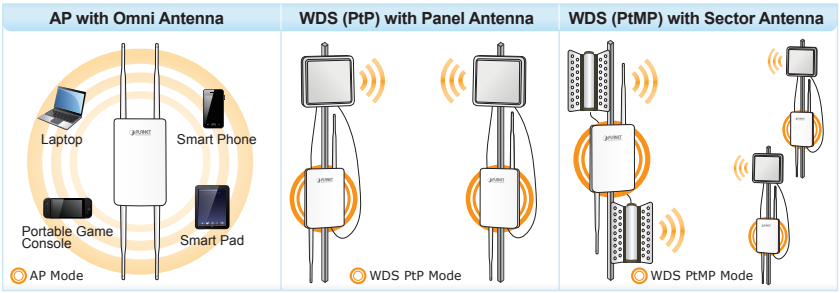
2.4GHz 300Mbps Outdoor AP

- Built-in 2 RP-SMA (F) antenna connectors
- AP/Client, WDS PtP/PtMP, WISP modes
- High transmission output power
- UV resistance, IP55 protection
- TDMA technology enhances PtMP wireless efficiency

RP-SMA



Flexible Deployment with Various Antennas





Wireless Home and SOHO Applications

3G Wireless AP Routers

PLANET Wireless 3G Broadband Router provides home, SOHO and business users with a reliable and cost-effective wireless solution by featuring 3G WAN Internet access and high-speed IEEE 802.11n wireless transmission. PLANET Wireless 3G Broadband Router offers more powerful and flexible capability for business demands and easier way for users to share an instant wireless network service via 3G service wherever at home, hotspot, or in public places like transportation, outdoor events, etc.

VDR-300NU

300Mbps Dual-band 802.11n VDSL2 Router

- Built-in VDSL2 with G. vectoring technology
- Multiple WAN connections and 3G failover
- Selectable dual-band wireless
- Supports multiple wireless operation modes
- TR069 compliant DLNA media server
- PLANET DDNS supported



802.11n/ac Dual-band Wireless Routers

WDRT-1200AC

1200Mbps 802.11ac Wireless AP Router

- Simultaneous dual-band connectivity in 2.4GHz 300Mbps and 5GHz 867Mbps
- 4 internal antennas for better performance
- Equipped with all Gigabit RJ45 ports
- One USB 3.0 port with file sharing and DLNA supported



WDRT-1202AC

1200Mbps 802.11ac Wireless AP Router

- Simultaneous dual-band connectivity in 2.4GHz 300Mbps and 5GHz 867Mbps
- Built-in 5dBi high-gain antennas
- Equipped with all Gigabit RJ45 ports
- IPv6/IPv4 dual stack capability
- One USB 2.0 port with file sharing and DLNA supported
- Supports guest network
- Supports L2TP over IPSec VPN



2.4GHz 802.11b/g/n Wireless AP Routers

VDR-301N

300Mbps 802.11n Wireless VDSL2 Router

- Built-in VDSL2 with G. vectoring technology
- Multiple WAN connections and ADSL+ fallback
- IPv6/IPv4 dual stack capability
- TR069 compliant DLNA media server
- PLANET DDNS supported
- Supports L2TP VPN



WNRT-300

150Mbps 802.11n Wireless Portable Router

- Hardware switchable operation modes: Router/AP/Client
- Built-in rechargeable li-ion battery
- Easy setup wizard
- Portable and pocket-sized design for true mobility



FRT-415N

300Mbps 802.11n Wireless Fiber Router

- 100/100Mbps upstream and downstream fiber port for long-distance WAN connection
- 2~60km flexible distance deployment via 100BASE-FX SFP fiber interface
- Multiple WAN Connections
- Built-in 5dBi high-gain antennas
- IPv6 supported for new services and higher security
- IGMP proxy and IGMP snooping for IPTV applications



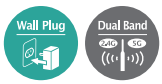
Wireless Range Extenders

- IEEE 802.11b/g/n/ac standard compliant
- High-speed wireless data rate
- Multiple operation modes: AP/Repeater/WDS PtP/WDS PtMP
- Advanced wireless security
- Support user-friendly Web management

WRE-1200

1200Mbps 802.11ac Wireless Range Extender

- Simultaneous dual-band connectivity in 2.4GHz 300Mbps and 5GHz 867Mbps
- Gigabit Ethernet port and mode switch button
- One-touch Wi-Fi Protected Setup (WPS)
- Hardware modes: AP/Repeater/Client
- Built-in electrical power socket, wall plug design





WDL-U601AC

433Mbps 802.11ac Dual-band USB Adapter

- 433Mbps 802.11ac MIMO technology
- Selectable dual band provides more flexible connection
- USB 2.0/1.1 attached interface in tiny size and portable design
- Easy to encrypt with the WPS button
- Supports WEP 64/128, WPA, WPA-PSK, WPA2, WPA2-PSK (TKIP/AES encryption)
- Supports QoS-WMM (Wi-Fi Multi-media) function/WMM-PS
- Supports software AP mode
- Supports the most popular operating systems including Windows XP, Vista, Win 7, Win 8, Linux, and MAC OS X ready





Wireless Home and SOHO Applications

PLANET makes your home networking easier and more compact with 802.11ac solution. Simply install an 802.11ac compatible wireless router, WDRT-1202AC, in the house, and its wide coverage and stable quality will definitely offer you a seamless and impressive wireless roaming experience. From now on, you can surf the web, enjoy multimedia streaming, share files, and make VoIP calls wirelessly without any limitation.



A



WDRT-1202AC
1200Mbps 802.11ac Dual Band Wireless Gigabit Router

B



WRE-1200
1200Mbps 802.11ac Dual Band Range Extender

C



ICA-W7100
720P Wireless IR PT IP Camera

Wireless Antennas and Cable Accessories

To commit the wireless long-distance connectivity, PLANET Wireless LAN Solution also provides a variety of Antennas, Cables and other Accessories for 2.4GHz and 5GHz band applications where more RF gain power is required to increase the convergence of the installations wirelessly.

The antennas include unidirectional antenna and omni-directional antenna to meet the need of different environments. The omni-directional antenna is ideal to install in a central base-station in a point to multi-point wireless application, and unidirectional antennas are designed for long distance.

To keep the wireless device free from lightning induced surges that travel on the coaxial transmission lines, PLANET also provides the arrestor guarding the wireless equipment from damage that could cause your previous network resources to break down.

2.4G Antennas

ANT-OM8
8dBi Omni-directional Antenna



ANT-FP9
9dBi Flat Panel Directional Antenna



ANT-SE18
12-18dBi Adjustable Sector Antenna



ANT-OM9 (Indoor)
9dBi Omni-directional Antenna



ANT-FP14D
14dBi Flat Panel Dual Polarization Antenna



ANT-GR21
21dBi Grid Directional Antenna



ANT-OM15
15dBi Omni-directional Antenna



ANT-FP18
18dBi Flat Panel Directional Antenna



5GHz Antennas

ANT-OM10A
10dBi Omni-directional Antenna



ANT-FP18A
18dBi Flat Panel Antenna



ANT-SE17A
17dBi Sector Antenna



ANT-FP14AD
14dBi Flat Panel Dual Polarization Antenna



ANT-FP23A
23dBi Flat Panel Antenna



Accessories

WL-NM-0.6
0.6m N-male (male pin) to N-male (male pin) Cable

WL-LTNA
2.4/5GHz Lightning Arrester (N-male to N-female)

WL-MMC
0.3m R-MMCX(F) to R-SMA(M) Cable

WL-MF-0.6
0.6m N-male (male pin) to N-female (female pin) Extension Cable

WL-N-0.6
0.6m N-male (female pin) to N-male (male pin) Cable

WL-SMA-0.6
0.6m Reverse SMA (female) to N-male (male pin) Cable

WL-SMA-6
6m Reverse SMA (female) to N-male (male pin) Cable



WL-NM-0.6



WL-LTNA



WL-SMA-0.6



H.265 36-ch NVR with 8-bay Hard Disks

Save More Bandwidth and Storage Space via H.265 Technology

Ideal Solution for High Image Quality

H.265 3MP Bullet IP Camera



ICA-M3380P

- 1/2.8" Sony Exmor progressive CMOS image sensor
- 2.8~12mm lens with wide angle surveillance
- Max. resolution 2048 x 1536 at 30fps
- 25M smart IR LED
- IP66-rated housing
- IEEE 802.3af standard PoE Interface

H.265 3MP Dome IP Camera



ICA-M4320P

- 1/2.8" Sony Exmor progressive CMOS image sensor
- 2.8~12mm lens with wide angle surveillance
- Max. resolution 2048 x 1536 at 30fps
- 20M IR LED
- Built-in PIR sensor for motion detection
- IEEE 802.3af standard PoE Interface

H.265 3MP Vandal Dome IP Camera



ICA-M5380P

- 1/2.8" Sony Exmor progressive CMOS image sensor
- 2.8~12mm lens with wide angle surveillance
- Max. resolution 2048 x 1536 at 30fps
- 20M IR LED
- IK10 and IP66-rated housing
- IEEE 802.3af standard PoE Interface

H.265 36-ch NVR with 8-bay Hard Disks



NVR-3685

- Supports VGA/HDMI dual local display
- Supports 8 SATA HDDs, up to 6TB per HDD
- Supports H.265/H.264 compression
- Supports RAID 0/1/5
- Location management with eMap
- Supports mobile phone remote view

High Frame Rate (60fps) for Real-time Surveillance Applications

PLANET Exmor IP Camera Series with Zero-lux Illuminator is a high-resolution camera for the round-the-clock surveillance over IP networks. It supports H.264 and MJPEG compression formats and delivers excellent picture quality in Full HD resolutions at 60 frames per second (fps). Incorporating the new Exmor RS™ CMOS image sensor, it provides high-quality images under all lighting conditions.





Full Surveillance with 360° Panoramic Surround View

PLANET Fisheye IP Camera Series allows you to monitor all angles of a location using just one camera. Without installing any software, you can watch live view and utilize functions such as motion detection and camera tampering through the Web interface using a web browser. Distortion correction feature of the ICA-8500 can fix the camera video so you can use e-PTZ to zoom in, zoom out, and pan across your camera's video to survey a large area easily.

Efficiently Remote Monitoring of IP Cameras

PLANET IP Surveillance Solution provides multiple ways for users to remotely monitor all IP cameras more efficiently, such as user-friendly website management, apps for smart-phones and pads, and free DDNS services. It is quick to easily access your PLANET IP surveillance camera over both mobile phone and Wi-Fi network anytime, anywhere.





Cloud Services Make Access Easy Anywhere

To make home monitoring a truly simple experience, we have created Cloud App to enable you access live video feeds of your home or office from any Internet-connected computer, iPhone®, iPad®, or Android® device anytime, anywhere. The Cloud Cameras can be viewed and managed on your personal account via Cloud App to enable you to enjoy the freedom of remote monitoring on your terms.

Extended Surveillance

PLANET E-series of IP cameras are able to provide advanced applications with specific software such as monitoring, video analyzing and vehicle license plate recognition. Through the CV7L PC-based software, it can help users monitor and record images/videos from multiple cameras simultaneously by using a single PC and able to operate up to 64 channels with advanced features such as event management and recording, tri-display monitoring, smart motion detection, PTZ control and e-Map. The CV7-VA is a software of video analytics that is designed to transform your video surveillance network into a smart detection system. The software provides Enter Area, People Counting, Missing Object, Line Crossing, Unattended Object and Tamper functions. Once a suspicious activity is detected, users can play back to watch these events and use them as references or evidences if needed. Moreover, the CV7-LP is a software of video analytics that is designed to detect and recognize vehicle license plates. This software is able to automatically locate and read license plates appearing in a certain area, and match this data against the database. It provides efficiency in parking and traffic control, as well as law enforcement.

IP Cameras

ICA-E6260

- 33x optical zooming, endless pan & tilt
- Max. frame rate 60fps at 1080p
- Weatherproof (IP67), vandalproof (IK09)
- Superior low light sensitivity
- WDR enhancement , 3D noise reduction
- Built-in microSD card slot for on-board storage
- Built-in PTZ auto tracking and enhanced intelligent video application



ICA-E5550V

- 2.8~12mm vari-focal, fixed iris lens
- Maximum resolution 2592 x 1944 (15fps)
- 30-meter IR LEDs with ICR
- WDR, 3DNR, IPv6, ONVIF, micro SD
- IK10, IP66
- Supports management, IVS and ALPR software



ICA-E3550V

- 2.8~12mm vari-focal, fixed iris lens
- Maximum resolution 2592 x 1944 (15fps)
- 30-meter IR LEDs with ICR
- WDR, 3DNR, IPv6, ONVIF, micro SD
- IK10, IP68
- Supports management, IVS and ALPR software



ICA-E6265

- 36x optical zooming, endless pan & tilt
- Max. frame rate 60fps at 1080p
- Long distance adaptive IR LEDs
- Superior low light sensitivity
- WDR enhancement , 3D noise reduction
- Water-repellent and scratch-resistant lens glass
- Built-in PTZ auto tracking and enhanced intelligent video application



ICA-E8550

- 1.19mm fisheye lens for 180° and 360° panoramic wide angle view
- ePTZ for data efficiency
- ICR, WDR and 3D noise reduction
- Built-in IR illuminators, effective up to 15 meters
- Built-in microSD card slot for on-board storage
- Vandalproof (IK10) and weatherproof (IP68)
- EN50155 compliance for professional mobile surveillance



NVR

NVR-E6480

- Manages up to 64 cameras
- 8-bay rackmount (2U) with software RAID (0,1)
- Instant playback in live view window
- Location-based management with eMap
- Supports dual stream management
- Remote access via mobile app, Web browser or CMS



CMS

CV7-M64

- Central management for NVR and camera
- Supports live view up to 64 channels
- Exports video with RAW and AVI formats
- Event trigger, response and notification
- Supports dual stream management
- Mobile client, Web client, workstation
- Location-based management with eMap



VMS

CV7L-64

- Manages up to 64 cameras
- Instant playback in live view window
- Location-based management with eMap
- Supports dual stream management
- Remote access via mobile app, Web browser or CMS



Managed Software

Automatic License Plate Recognition



CV7-LP2/4

- Concurrent analysis of up to 2/4 channels
- One region of interest per channel
- Searching and filtering based on time and plate number
- Convenient plate numbering searching
- Analysis for live and pre-recorded videos

License Plate of Country

Austria/Australia/Bulgaria/Canada/Costa Rica/Czech Republic/ Dubai/Ecuador/Europe Region/Georgia/Germany/Greece/ Guatemala/Hong Kong/Hungary/Indonesia/Ireland/Italy/Japan/ Jordan/Kuwait/Laos/Malaysia/Malta/Mongolia/New Zealand/ Oman/Poland/Romania/Russia/Saudi Arabia/Slovakia/South Korea/Spain/Taiwan/Thailand/UK/Ukraine/US/Vietnam

Intelligent Video Analysis



Line Crossing



Enter Area



Unattended Object



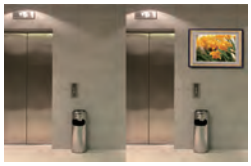
Object Counting



People Counting



Camera Tampering



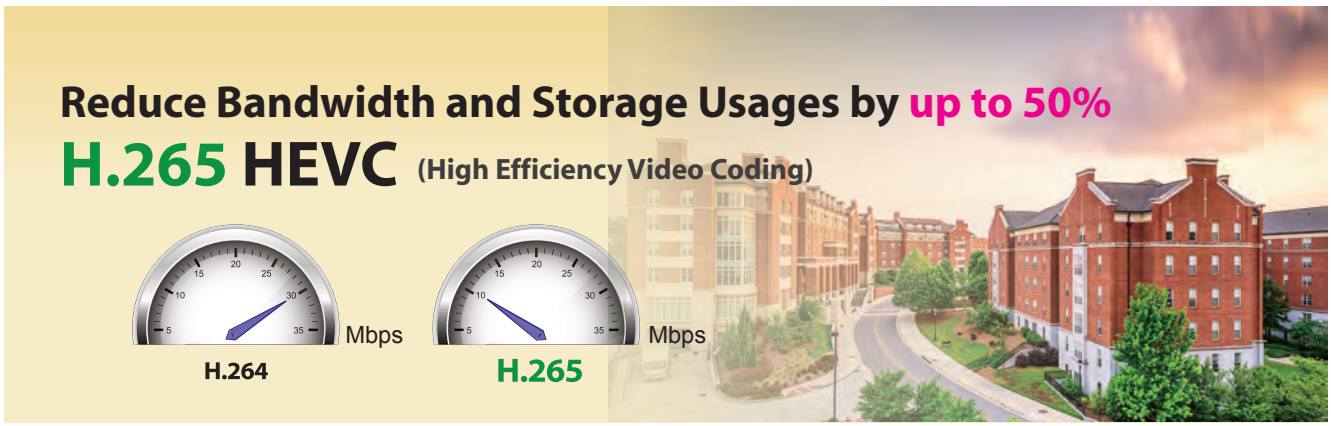
Missing Object

CV7-VA4/9

- Concurrent analysis of up to 4/9 channels
- Supports enter area, people counting, missing object, line crossing, unattended object and tamper functions
- Event search and filtering based on time, algorithm and object color
- Play back captured events
- Exports videos of captured events
- Analysis for live and pre-recorded videos

Video Management System





H.265 Surveillance

PLANET H.265 Series of IP Cameras can perform in various surveillance applications. With high-resolution design, it can capture clear images and is perfect for identifying objects and persons. Moreover, it supports 802.3af PoE interface, and facilitates the indoor surveillance applications without worrying the electric source. Besides, NVR and Web UI management make you easy to do the configuration and live viewing. With so many features offered, PLANET H.265 Series of IP Cameras no doubt is your best choice for indoor surveillance solution.

IP Cameras

ICA-M3380P

- 1/2.8" Sony Exmor progressive CMOS image sensor
- 2.8~12mm lens with wide angle surveillance
- Max. resolution 2048 x 1536 at 30fps
- 25M smart IR LED
- IP66-rated housing
- IEEE 802.3af standard PoE interface



ICA-M4320P

- 1/2.8" Sony Exmor progressive CMOS image sensor
- 2.8~12mm lens with wide angle surveillance
- Max. resolution 2048 x 1536 at 30fps
- 20M IR LED
- Built-in PIR sensor for motion detection
- IEEE 802.3af standard PoE interface



ICA-M5380P

- 1/2.8" Sony Exmor progressive CMOS image sensor
- 2.8~12mm lens with wide angle surveillance
- Max. resolution 2048 x 1536 at 30fps
- 20M IR LED
- IK10 and IP66-rated housing
- IEEE 802.3af standard PoE interface



NVR

NVR-3685

- Supports VGA/HDMI dual local display
- Supports 8 SATA HDDs, up to 6TB per HDD
- Supports H.265/H.264 compression
- Supports RAID 0/1/5
- Location management with eMap
- Supports mobile phone remote view





Exmor RS IP Cameras

ICA-3260

- Sony Exmor RS progressive CMOS sensor
- Maximum resolution 1920 x 1080 (60fps)
- 20-meter IR LEDs with ICR
- True WDR™, super low lux@0.01
- Intelligent-inside, 3DNR, IPv6, IP66





ICA-4210P

- Sony Exmor RS progressive CMOS sensor
- Maximum resolution 1920 x 1080 (60fps)
- 20-meter IR LEDs with ICR
- Smart Focus and Zoom
- True WDR™, super low lux@0.01
- Intelligent-inside, 3DNR, IPv6





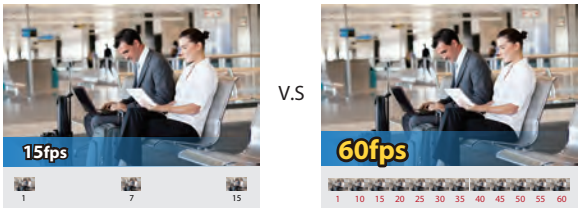
ICA-HM620

- Sony Exmor progressive CMOS sensor
- 4.7~94mm vari-focal, auto-iris lens
- 20X optical, 8X digital zoom
- Maximum resolution 1920 x 1080 (30fps)/1280 x 720 (60fps)
- WDR, 3DNR, IP66, PoE+





High Frame Rate (60fps) for Real-time Surveillance Applications



Super Low Lux for Day & Night



True WDR



Taken by IP camera without WDR

Taken by PLANET IP camera with True WDR

Exmor RS CMOS Sensor



Taken by other brands

Taken by PLANET IP camera

Smart Focus with P-Iris



Blurred

Auto Focus

Clear

Face Detection and Cross Line Detection



Face Detection

Cross Line Detection

ICA-3250

- 3.6mm lens with 74 degrees angle view
- Maximum resolution 1920 x 1080 (30fps)
- 20-meter IR LEDs with ICR
- WDR, 2DNR, IP66



ICA-4250

- 3.6mm lens with 74 degrees angle view
- Maximum resolution 1920 x 1080 (30fps)
- 25-meter IR LEDs with ICR
- WDR, 2DNR, IP66
- Cable management



ICA-2250VT

- Sony Exmor progressive CMOS sensor
- 3.1~8mm vari-focal, auto-iris lens
- Maximum resolution 1920 x 1080 (30fps)
- WDR, ICR, 3DNR, IP66, PoE+, cable management
- Industrial design with -40 to 75 degrees C operating temperature



Fisheye IP Cameras

- 360° fisheye panoramic wide angle view
- Simultaneous multi-stream support
- Compliant with IEEE 802.3af PoE interface for flexible deployment
- Removable IR-cut Filter for Day & Night function
- 2-way audio function
- Digital Input and Output for integration with sensors and alarms

ICA-W8100

- 0.89mm fisheye lens
- Maximum resolution 1280 x 720 (30fps)
- IEEE 802.11n wireless LAN compliant
- WPS, PIR for thermal, motion detection

720P HD PIR



ICA-W8100-CLD

- 0.89mm fisheye lens
- Maximum resolution 1280 x 720 (30fps)
- IEEE 802.11n wireless LAN compliant
- WPS, PIR for thermal, motion detection
- Plug and play smart access technology without IP setting in router

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720P HD PIR



ICA-W8500

- Equipped with 2659 x 1944 pixel 5MP CMOS sensor
- 1.05mm fisheye lens
- Maximum resolution 1920 x 1920 (15fps)
- WDR, 2DNR, ONVIF
- Supports advanced e-PTZ function
- IEEE 802.11n wireless LAN compliant

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5MP 802.11n N



IP Cameras

- IEEE 802.3af standard PoE interface
- ONVIF compliant
- 3DNR to improve picture quality at low lux
- Supports both IPv6 and IPv4
- PLANET DDNS and easy DDNS
- Micro SD card for local storage
- WDR Enhancement function strengthens visibility under extremely bright or dark environments
- Easily-recessed mount design
- Convenient nano-design blends in nicely with any surrounding

ICA-HM312

- 3.6mm board lens
- Maximum resolution 1920 x 1080 (30fps)
- 25-meter IR LEDs with ICR
- WDR, 3DNR, IPv6

1080p FULL HD



ICA-4200V

- 2.8~12mm vari-focal, auto-iris lens
- Maximum resolution 1920 x 1080 (30fps)
- 20-meter IR LEDs with ICR
- WDR, 3DNR, IPv6

1080p FULL HD PIR



ICA-W7100

- 3.6mm board lens
- Maximum resolution 1280 x 720 (30fps)
- 10-meter IR LEDs with ICR
- WDR, 2DNR
- Pan and tilt (Pan: 0° ~ 355°; Tilt: 0° ~ 90°)
- IEEE 802.11n wireless LAN compliant

720P HD 802.11n N

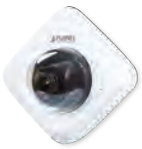


SIP IP Camera

ICA-4130S

- SIP 2.0 (RFC 3261) compliant
- 3.6mm board lens
- Maximum resolution 1280 x 960 (30fps)
- Tamper detection for unauthorized changes
- Supports advanced e-PTZ function

720P HD SIP





Network Video Recorders

To save the total cost of ownership (TCO), PLANET provides the alternative way to store all the videos and audios from the IP camera and the NVR. The NVR product family includes 8-ch, 9-ch and 16-ch capability that can record 16 IP cameras that are connected on the IP network whether they are wired or wireless and indoors or outdoors.

- Simultaneous recording and live video streams
- Supports MJPEG, MPEG-4 and H.264 compressions
- Mobile devices remote monitoring
- Auto configuration for PLANET IP camera
- Easy access with PLANET Dynamic DNS
- Manual or schedule recording of 8/9/16 IP cameras simultaneously
- ONVIF compliant
- Video recycle function keeps the video recording 24/7
- Web-based and management utility for easy configuration
- 2-way audio function
- E-Map interface in web and utility configuration
- Exports recorded video file to AVI format
- Multiple Languages support

NVR-820

- Records 240fps @1920 x 1080
- Maximum bitrate 55Mbps
- 2 x SATA HDD
- HDMI and VGA dual local display
- Intelligent, Google e-Map, and multi-brand IP CAM support



NVR-1620

- Records 480fps @1920 x 1080
- Maximum bitrate 100Mbps
- 2 x SATA HDD
- HDMI and VGA dual local display
- Intelligent, Google e-Map, and multi-brand IP CAM support



NVR-915

- H.264 compression
- Records 270fps @1920 x 1080
- Maximum bitrate 48Mbps
- 2 x SATA HDD with e-SATA
- HDMI and VGA local display



NVR-1615

- H.264 compression
- Records 480fps @1920 x 1080
- Maximum bitrate 80Mbps
- 2 x SATA HDD with e-SATA
- HDMI and VGA local display



H.265 NVR

NVR-3685

- Supports VGA/HDMI dual local display
- Supports 8 SATA HDDs, up to 6TB per HDD
- Supports H.265/H.264 compression
- Supports RAID 0/1/5
- Location management with eMap
- Supports mobile phone remote view



Windows-based NVR

NVR-E6480

- Manages up to 64 cameras
- 8-bay rackmount (2U) with software RAID (0,1)
- Instant playback in live view window
- Location management with eMap
- Supports dual stream management
- Remote access via mobile app, Web browser or CMS





Hybrid Digital Video Recorders

- Embedded, highly-reliable standalone HDVR
- Supports hybrid mode for combination of IP, AHD and analog cameras
- Supports H.264 compression
- Supports RS485 for PTZ control
- 2-way audio support with enhanced audio quality
- Video recycling function records events 24/7
- ONVIF compliant for interoperability
- Up to 256 channels with the central management software
- Supports two USB2.0 ports for mouse control and backup
- Supports mobile phone remote viewer, Web UI and CMS

HDVR-430

- Records 60fps @1280 x 720
- Maximum bitrate 20Mbps
- 4-ch BNC connectors and 1 x SATA HDD
- 1280 x 720 HDMI and VGA local display



HYBRID

HDVR-830

- Records 60fps @1280 x 720
- Maximum bitrate 20Mbps
- 8-ch BNC connectors and 1 x SATA HDD
- 1280 x 720 HDMI and VGA local display



HYBRID

HDVR-1630

- Records 60fps @1920 x 1080
- Maximum bitrate 60Mbps
- 16-ch BNC connectors and 1 x SATA HDD
- 1920 x 1080 HDMI and VGA local display



HYBRID 1080p FULL HD



AHD Cameras

Model	CAM-AHD325	CAM-AHD425
Product Image		
	Sony Sensor 4-in-1	Sony Sensor 4-in-1
Resolution	AHD 1080p	AHD 1080p
Sensitivity	0 lux with built-in IR LED	0 lux with built-in IR LED
Sensor	1/2.8"Sony CMOS sensor	1/2.8" Sony CMOS sensor
Lens	3.6mm/F1.2	3.6mm/F1.2
IR Distance	30 meters	20 meters
WDR	D-WDR	D-WDR
Day and Night	IRC switch	IRC switch
Digital Noise Reduction	2DNR/3DNR	2DNR/3DNR
Protection Class	IP66	IP65



Highly Integrated IP Telephony Solution

- IP PBX
- IP Phones
- IP Intercoms
- Voice Gateway



Color LCD IP Phone

► VIP-1120PT



Dual Color LCD IP Phone

► VIP-2140PT Gigabit



Video Conferencing

► ICF-1800 Gigabit



SIP Indoor Station

► HTS-700P



SIP Door Phone

► HDP-5260PT



Audio Conferencing

► VIP-8030NT PSTN

IP Telephony

HD Voice

PLANET VoIP Series features wide-band, high-definition voice for crisp, precise sound quality whether delivered via the handset, speakerphone or optional headset. All phones in the series feature wideband-compliant, and hearing aid compatible handsets along with built-in, high-quality speakers and microphones.





Conferencing Solutions

The convenient 3-way conferencing feature, available on all PLANET VoIP Series, will help you save time and resources. A paging function lets you quickly get two colleagues on the phone with you for a conference even if they're located at the opposite ends of the country.

Watching Live Surveillance Images via SIP IP Cameras

PLANET SIP communication solution integrated with IP PBX, IP phone and IP camera helps users to watch live surveillance view more easily just by dialing a phone number. With the motion alarm function, the SIP IP camera provides a more instant, efficient response method, better than the other methods, such as FTP, email, SD card and more, to alert users so as to prevent a bad event from happening.



Green Office

(Fax to Email / Email to Fax)



IP PBX

Green IP Office

The Fax to Email/Email to Fax service by PLANET IP PBX allows users to transfer/receive faxes directly to/from your email inbox as file attachments. It's an easy and confidential way of receiving, storing and forwarding important fax documents, thus creating a paperless green office.



Managing your Office from your Mobile Device

Users have an IP PBX phone number including an office extension number where calls ring simultaneously on their mobile device, making it easy to connect one another wherever they are. Access to people, messages and information helps mobile users deliver whether they are in or out of the office.

SIP IP Phones

PLANET Professional VIP Telephone series is both aesthetically appealing and highly practical, meeting whatever business requirements you need for your daily work. Advanced business telephony features, including wideband HD audio for crystal-clear conversation, HD displays and support for security standards such as TLS and SRTP, are indispensable when it comes to quality and functionality. These high-performance devices are future proofed and provide the best in wideband HD audio, ensuring crystal-clear sound quality in the on-premise or hosted PBX environment.

- IETE SIP (RFC 3261), STUN (RFC 3489)
- Power over Ethernet IEEE 802.3af/at
- Auto provisioning, TR069, VPN, VLAN, QoS
- Advanced security protection with SRTP/TLS/HTTPS
- Interoperable with all major IP PBX platforms
- Acoustic echo cancellation (AEC), adaptive jitter buffer (AJB)
- Background noise estimation (BNE)
- Comfort noise generation (CNG), noise reduction (NR)
- Packet loss concealment (PLC), voice activity detection (VAD)
- Audio codecs: G.711 A-law, μ-law, G.722 (wideband), G.723, G.726 and G.729AB

VIP-1120PT

- 2.4-inch color LCD monitor
- 2 identities/accounts with color LED
- Wideband G.722 HD audio with handset and hands-free



VIP-2140PT

- 2.8-inch main color LCD monitor
- 2.4-inch (DSS) key-mapping LCD monitor
- 4 identities/accounts with color LED
- 30 configurable and 6 multicolored LED keys
- Wideband G.722 HD audio with handset and hands-free
- Dual 10/100/1000 Gigabit Ethernet



VIP-6040PT

- 3.5-inch color LCD monitor
- 4 identities/accounts with color LED
- 10 configurable and multicolored LED keys
- Wideband G.722 HD audio with handset and hands-free
- 5-way conferencing on the phone
- Dual 10/100/1000 Gigabit Ethernet



VIP-1000PT/VIP-1000T

- Cost-effective, high-definition SIP IP Phone
- 1 identity/account
- Wideband G.722 HD audio with handset and hands-free
- Power over Ethernet IEEE 802.3af/at (VIP-1000PT)



VIP-5060PT

- 128 x 64 pixel LCD with blue backlight
- 6 identities/accounts with color LED
- 8 Programmable DSS and 4 soft keys
- Wideband G.722 HD audio with handset and hands-free
- Dual 10/100/1000 Gigabit Ethernet



VIP-8030NT

- 128 x 64 pixel LCD with blue backlight
- 3 identities/accounts with color LED
- Wideband G.722 HD audio with handset and hands-free
- VoIP / PSTN line dialing
- Extra microphone connection for wider reception



ICF-1800

- Built-in Android 4.2 OS multimedia conferencing phone
- 7-inch TFT color multi touch screen
- 6 identities/accounts
- Wideband G.722 HD audio with handset and hands-free
- Dual 10/100/1000 Gigabit Ethernet
- Tillable 2 megapixel CMOS camera, HDMI, micro SD



HTS-700P

- Stylish 7-inch Touch Screen IP Intercom
- Power over Ethernet IEEE 802.3af/at
- Hands-free two-way video Intercom; unlock door from the intercom
- Up to 3 scenes managed via PLANET Z-Wave Plus™ Gateway
- 8-zone alarm interface available for security control (DI x 6 + DO x 2)
- Standard SIP compatible with most modern IP Intercom systems
- Real-time image monitoring of home and community public cameras



SIP Door Phones

PLANET SIP Door Phone series is the ideal solution for communication in general-purpose outdoor and indoor environments. Its sleek and fast-to-install features are combined with advanced technology. It provides visitor communication monitoring and access control. One glance at the display panel will let you know who is standing outside your door. Then, you start a dialogue or open the door lock. In addition, with PLANET IP PBX or Z-Wave Plus Gateway, you can obtain a comprehensive system for door communication or easy integration into an existing home automation system.

- IETE SIP (RFC 3261), STUN (RFC 3489)
- Power over Ethernet IEEE 802.3af/at
- ONVIF compliant for interoperability
- Auto provisioning, TR069, VPN, VLAN, QoS
- Advanced security protection with SRTP/TLS/HTTPS
- Interoperable with all major IP PBX platforms
- AEC, AJB, BNE, CNG, NR, PLC, VAD
- Audio codecs: G.711 A-law, μ-law, G.722 (wideband), G.723, G.726 and G.729AB

HDP-1100PT

- 720p HD camera with 6 white LEDs
- Wideband G.722 HD audio
- Trouble-free installation
- App and control pad alerts for any situation

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HDP-5240PT

- 720p HD camera with viewing angle: 110°, 95°
- Wideband G.722 HD audio
- Trouble-free installation
- IP65 for eaves environment
- -20 to 60 degrees C operating temperature
- Unlock the door with an RFID, remote DTMF or local password

RFID card



HDP-5260PT

- 720p HD camera with 3 IR LEDs
- Wideband G.722 HD audio
- Anti-vandal solution
- IP65 and IK10 for rigorous environment
- -40 to 70 degrees C operating temperature
- Unlock the door with an RFID, remote DTMF or local password

RFID card



ATA & IP Paging

PLANET ATAs and IP Paging convert analog telephones and existing analog public announcement into SIP-based voice communication solutions. It supports service providers and enterprises to enhance the traditional telephony communication and extend their existing public announcement speaker service via the existing broadband connection to the Internet or corporate network. Use of PLANET's proven SIP stack enables wide compatibility with all SIP platforms.

VIP-156

- IETE SIP (RFC 3261), STUN (RFC 3489)
- Up to 5 proxy server registrations
- Peer-to-Peer/SIP proxy (IP PBX) calls
- T.38 fax transmission over IP network
- Interoperable with all major IP PBX platforms
- Auto provisioning, TR069, VPN, VLAN and QoS

1FXS



VIP-156PE

- IETE SIP (RFC 3261), STUN (RFC 3489)
- Power over Ethernet IEEE 802.3af/at
- Up to 5 proxy server registrations
- Peer-to-Peer/SIP proxy (IP PBX) calls
- T.38 fax transmission over IP network
- Interoperable with all major IP PBX platforms
- Auto provisioning, TR069, VPN, VLAN and QoS

1FXS PoE



VIP-157S

- IETE SIP (RFC 3261), STUN (RFC 3489)
- Up to 2 concurrent VoIP calls
- Up to 5 proxy server registrations
- Peer-to-Peer/SIP proxy (IP PBX) calls
- T.38 fax transmission over IP network
- Interoperable with all major IP PBX platforms
- Auto provisioning, TR069, VPN, VLAN and QoS

2FXS



VPA-100

- IETE SIP (RFC 3261), STUN (RFC 3489)
- Power over Ethernet IEEE 802.3af/at
- Broadcasting announcements over 4 ohm speakers
- 4 digital output ports to turn on/off alarm for security control
- Acoustic echo cancellation and noise suppression
- Interoperable with all major IP PBX platforms
- Auto provisioning, TR069, VPN, VLAN and QoS

Paging & Intercom





IP PBXs

Small and medium businesses require specialized features to support their workflows. PLANET IP PBX is designed specifically for small and medium businesses. It combines an IP PBX with robust telephony features that traditional phone systems can't deliver. PLANET IP PBX is affordable, reliable, full-featured, and easy to deploy, administer, and maintain. It helps small and medium businesses dramatically reduce communications and network management costs, enhance collaboration, improve productivity, and more.

- IETE SIP (RFC 3261), STUN (RFC 3489)
- Automatic recording/One touch recording
- Multi-language, CDR and multi-layer IVR
- Intercom, paging and video call
- Call forward, transfer follow me and DND
- Ring/pick-up groups, and smart DID
- Virtual fax, voicemail to email and fax to email
- Auto provisioning, TR069, VPN, VLAN, QoS
- Advanced security protection with SRTP/TLS/HTTPS
- Audio codecs: G.711 A-law, μ-law, G.722 (wideband), G.723, G.726 and G.729AB.

IPX-330

- 15 concurrent calls and up to 30 registers
- 10 concurrent calls and up to 3 conference rooms
- Recording/Voicemail up to 600 hours
- Built-in 2 FXO interfaces

2FXO



IPX-2100

- 30 concurrent calls and up to 100 registers
- 30 concurrent calls and up to 12 conference rooms
- Recording/Voicemail up to 600 hours
- 2 slots for maximum 8 ports for FXO/GSM

IP Stack



IPX-2200

- 60 concurrent calls and up to 200 registers
- 36 concurrent calls and up to 40 conference rooms
- Recording/Voicemail up to 1,500 hours
- 2 slots for maximum 8 ports for FXO/GSM
- 10/100/1000 Gigabit Ethernet

IP Stack Gigabit



IPX-2500

- 100 concurrent calls and up to 500 registers
- 36 concurrent calls and up to 80 conference rooms
- Recording/Voicemail up to 75,000 hours
- 2 slots for maximum 8 ports for FXO/GSM
- Built-in HDD storage, Gigabit Ethernet



IP Stack Gigabit

IPX-21SL/IPX-21FO

- 4 standard two-wire, RJ11 interfaces
- Up to 4 ports for 4 POTS lines (IPX-21FO)
- Up to 4 ports for 2 POTS lines and 2 FXS connect to analog phone set (IPX-21SL)
- Loop start signaling for advanced features: caller ID and distinctive ring

FXS FXO



For IPX-2500 / IPX-2200 / IPX-2100

IPX-21GS

- Quad-band EGSM 850/900/1800/1900 MHz for worldwide GSM compatibility and deployments
- Up to 4 ports for 4 GSM lines
- GSM protocol stack for voice and SMS
- Loop start signaling for advanced features: caller ID and distinctive ring

GSM



For IPX-2500 / IPX-2200 / IPX-2100



SIP VoIP Gateways

PLANET VoIP Gateway series is fully an IETE SIP standard compliant residential gateway that provides a total solution to integrate voice-data network, the PSTN central office (CO) switches, and private branch exchanges (PBXs). It not only provides high-quality voice and fax communications, but also secure, reliable Internet sharing capabilities for daily voice, fax and internet communications.

- IETE SIP (RFC 3261), STUN (RFC 3489)
- Auto provisioning, QoS and ToS
- Reliable fax performance with T.38
- Caller ID display DTMF, FSK, ETSI and Bellcore
- AEC, CNG, LEC, PLC, VAD and silence suppression
- Adaptive/Configurable jitter buffer
- Interoperable with all major IP PBX platforms
- Audio codecs: G.711 A-law, μ-law, G.723.1 and G.726
- Flexible call routing for fallback and least cost routing

VGW-402/VGW-400FS/VGW-400FO

- 4 identities/accounts with auto provisioning
- 4 ports for 4 POTS lines (VGW-400FO)
- 4 FXS connect to analog phone or fax set (VGW-400FS)
- 2 POTS lines and 2 FXS connect to analog phone or fax set (VGW-402)
- Life-line for emergency calls (VGW-402)



VGW-804/VGW-800FS/VGW-800FO

- 8 identities/accounts with auto provisioning
- 8 ports for 8 POTS lines (VGW-800FO)
- 8 FXS connect to analog phone or fax set (VGW-800FS)
- 4 POTS lines and 4 FXS connect to analog phone or fax set (VGW-804)
- Life-line for emergency calls (VGW-804)



Unified Office Gateway

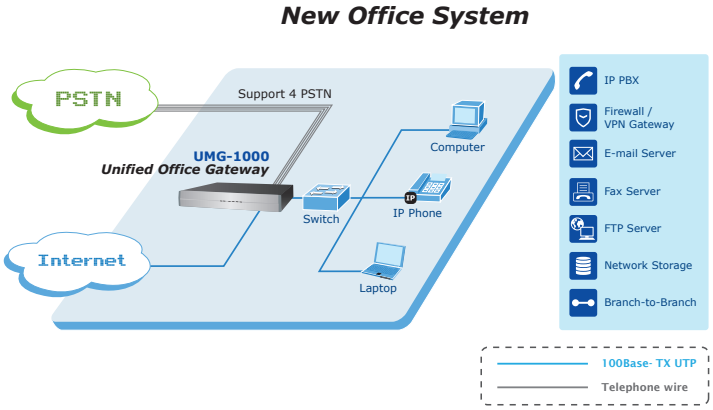
UMG-1000

- 30 concurrent calls and up to 100 registers
- Built-in 4 FXO interfaces for IP PBX service
- ACL, VPN, VLAN and QoS
- Blocking DoS attack
- URL / IM / P2P blocking
- E-mail service for POP3, SMTP and IMAP
- Network storage and FTP service
- Anti-virus, Anti-spam, SPI firewall and content filter

Max. 100 ext

TAIWAN EXCELLENCE 2013





Wireless SIP Router

VIP-462DG

- Complies with IETE SIP (RFC 3261), and ETSI DECT
- Complies with IEEE 802.11b/g standards
- 2 identities/accounts with 1 FXS and 1 DECT handset
- PSTN lifeline for emergency calls
- SPI firewall and DoS protection
- QoS, VAD, CNG and dynamic jitter buffer
- Audio codecs: G.711 A-law, μ-law, G.723.1 and G.729

WVoIP SIP



Skype Gateway

SKG-300

- Auto detection and switching of incoming PSTN or Skype calls
- Three-way conferencing between PSTN and Skype calls
- PSTN call forward to Skype or Skype call forward to PSTN
- Support call waiting and full-duplex and echo-free sound quality

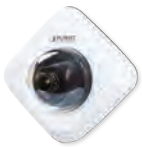


SIP IP Camera

ICA-4130S

- Complies with IETE SIP (RFC 3261), and ONVIF
- Power over Ethernet IEEE 802.3af/at
- Max. resolution 1280 x 960 at 30fps with H.264
- Watermark prevents video from tampering
- Motion, audio detection and disconnect alarm triggers
- Supports 3DNR, e-PTZ, multi-stream and micro SD slot

VoIP SIP HD









Wireless AP Controller



Switch Co-defense

PLANET Network Security Solution

UTM Content Security Gateway CS-950

All-in-one Security Gateway That Brings High Efficiency Network

Security

- Anti-Hacker/Malware
- Anti-Virus (WEB/FTP/Mail)
- Spam Filtering
- Co-Defense
- HTTPS/SSL Encryption
- IDP/Botnet Detection

Control

- QoS
- Web Filtering
- Flow Monitoring
- App Access Control
- VPN/SSL VPN
- Network Access Auth.

Record

- Anomaly IP Analysis Log
- Firewall Protection Log
- ARP Spoofing Log
- Event Log
- Auth. Log

UTM Content Security Gateway





Wireless AP Controller



Co-defense Switch

CS-950

- Anti-malware protection and application optimization
- AntiVirus, AntiSpam, IDP, DOS/SPI Firewall and Application Control
- Content Filtering to deny access to Websites that are malicious
- IPv6, Smart QoS, Outbound Load Balancing that increase bandwidth productivity
- Excellent SSL VPN, IPSec VPN and PPTP Server/Client connectivity
- Integrated co-defense SNMP switch and AP controller as central monitor to provide flexible deployment options

All-in-One Network Security Solutions

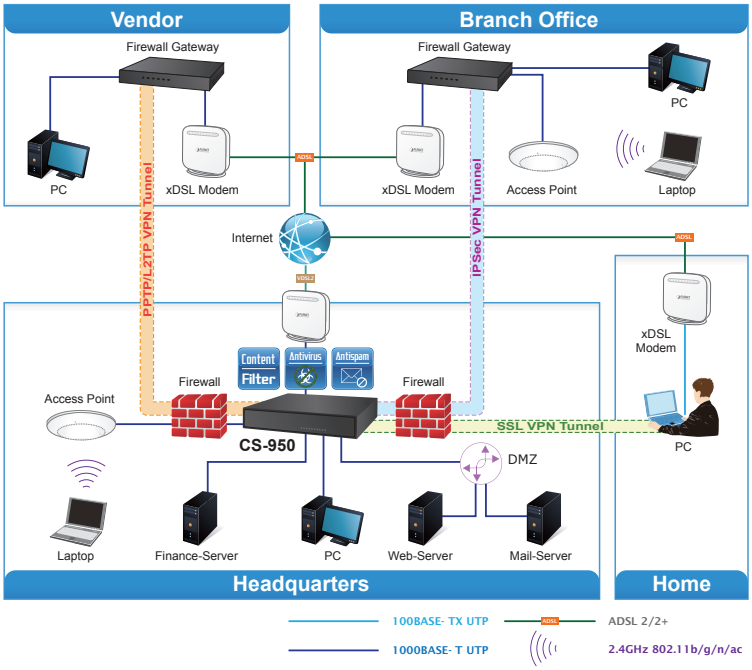
PLANET CS-950 Next-Generation UTM Content Security Gigabit Gateway, an all-in-one appliance, carries several main categories across your network security deployments: firewall security protection, policy auditing (content filtering, VPN, and authentication), and easy management (CMS, up to 50 wireless AP control and flow analysis). VLAN, QoS and Outbound Load Balance can improve the network efficiency and its Web-based interface provides friendly and consistent user experience.

Excellent Ability in Threat Defense

The CS-950 adopts Clam AV for virus scanning which can detect over 800,000 kinds of viruses, worms, and Trojans. Once suspicious emails are detected, the CS-950 will modify the subject and record the mail. It also employs multi-spam filters, auto learning, and personal Blacklist/ Whitelist. These help companies create their own database by importing the latest spam update.

An advanced protection of UTM, the co-defense SNMP switch can unveil on which computer or which switch port is having a problem at the earliest possible time to prevent business network from failure, and monitor network-attached devices for conditions that warrant administrative attention.

Moreover, its built-in SPI firewall and IDP functions provide DoS detection and block concealed malicious code or worms delivered in TCP/IP protocols. As soon as an attack is suspected, the CS-950 will immediately notify the IT administrator and later an extensive range of reports will be available for analysis.



Multi-Homing Security Gateway



The MH-2300 supports most of the popular security features including content blocking to block specific URL, authentication, IPSec, PPTP VPN server/client, outbound load-balancing, QoS, time schedule, support group by IP, MAC and port, and more. Furthermore, it provides higher performance with all Gigabit Ethernet interfaces which offer faster speeds for your network applications. The Gigabit user-defined interfaces flexibly fulfill the network requirement nowadays, and the multiple WAN interfaces enable the MH-2300 to support outbound load balancing and WAN fail-over features. Its built-in 25 IPSec VPN tunnels and 25 PPTP VPN tunnels are enough for about 50 companies. As a result, the VPN not only can configure trunk mode but also provide VPN fail-over, bandwidth multi-line consolidation and load balancing features which are a VPN redundant mechanism to always keep the VPN alive.

MH-2300

- Gigabit Multi-Homing VPN Security Gateway
- Definable network port (LAN, WAN and DMZ)
- IPSec VPN and PPTP server/client support
- QoS can be set to each user (Maximum guaranteed bandwidth, priority)
- Application blocking (Facebook, LINE, YouTube, etc)
- Outbound load balancing, SPI firewall
- Content filtering: URL, whitelist/blacklist, download/upload blocking

VPN & Broadband Routers



With the growth of the Internet activities, high-speed Internet access, on-line gaming and Triple-Play Internet applications are often seen in our daily life. To respond to the trends of Internet activities, PLANET Broadband Router is an ideal solution to providing high speed Internet access which is easy to use while surfing on the internet.

PLANET Broadband Router provides QoS features to make the network services smooth. Traffic priority can be assigned by the router to guarantee some important and specific transmissions, especially for real-time streaming multimedia applications such as on-line gaming, VoIP, and IPTV to keep the bandwidth usage running smoothly.

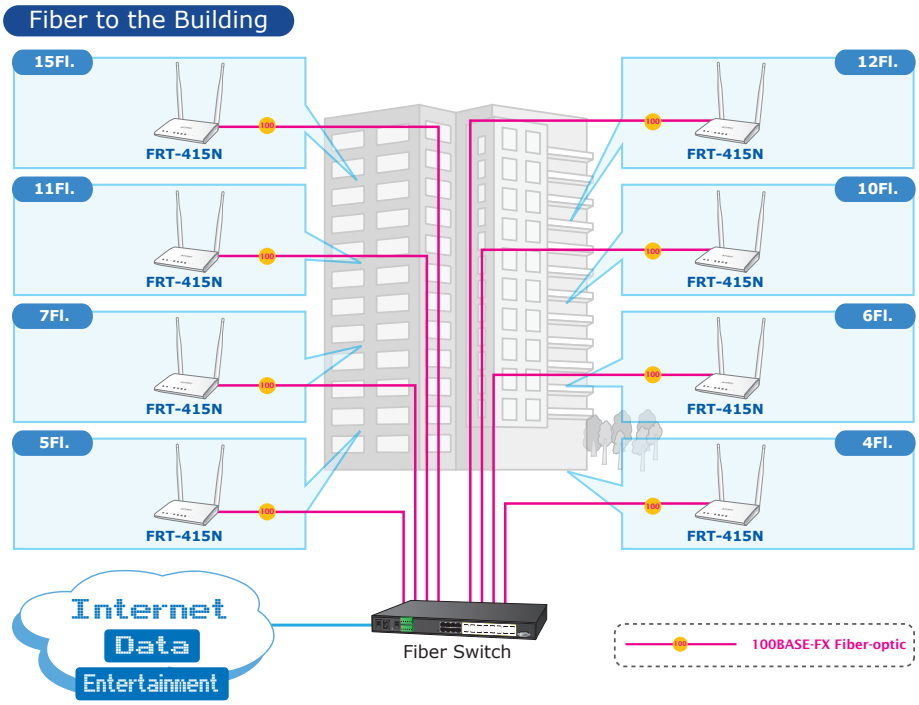
Via the user-friendly management interface, users can set up and configure the router very easily-just follow the wizard to guide you to the setup procedure step by step. Furthermore, the Fiber Router not only provides basic router functions such as DHCP server, Virtual Server, DMZ, and UPnP, but also provides full security functions including the SPI (Stateful Packet Inspection) firewall and NAT (Network Address Translation) features to protect your network from Internet intruders and attacks.

FRT-40x

- 100BASE-FX fiber interface
- TS-1000 and 802.3ah OAM support
- SPI firewall security for anti-DoS prevention
- Supports SNMP v1/v2c
- IP, Port, MAC filtering

FRT-415N

- 300Mbps 802.11n
- 100BASE-FX fiber interface
- SPI firewall security for anti-DoS prevention
- Multiple WAN Connections
- TR069 support







- Quick View Setting and controls up to 8/16 PCs
- Cascaded to control up to 256 PCs Max.
- Remote IP KVM bandwidth control
- DES, AES and 3DES data encryption

All-in-One IP KVM Switch Solution for Enterprises

Remotely Access Your Servers from Anywhere

17" 8/16-Port Combo/IP VGA LCD KVM Switch



Stackable | Web Browser | Combo | Hot Key | SXGA 1280x1024

8/16-Port Combo/IP KVM Switch



Stackable | Web Browser | Combo | Hot Key | VGA Output

Linux MAC Windows

* Windows, iMac, Power Mac, Linux and Sun systems are supported.



IP KVM

PLANET enterprise IP KVM Switches feature the patented design of the availability of USB and PS/2 interface connection, user-friendly OSD utility and daisy-chain function. In the present computer applications, a mouse has become an indispensable device. The IP KVM fully supports various models of PS/2 mice manufactured by Logitech, Microsoft and IBM as well as compatible PS/2 mice of other brands. The IP KVM supports the PS/2 keyboard port of code set 1/2/3 and further allows you to use the IP KVM for all kinds of servers, computers or their combination.

IKVM-210-08/IKVM-210-16

8/16-Port Combo IP KVM Switch

- Remote computer control via TCP/IP protocol
- Supports PS/2 and USB compatible mouse/trackball
- Standalone machine controls up to 8/16 computers
- Cascade up to 2 levels, control up to 64/256 computers
- Supports monitor resolution of up to 2048 x 1536
- Computer selection via Port Select Button, Hotkey and On Screen Display (OSD)



Web Browser

IKVM-210-8M/IKVM-210-16M

8/16-Port Combo 17" VGA LCD IP KVM Switch

- Remote computer control via TCP/IP protocol
- 19-inch 1U rack mountable
- Supports PS/2 and USB compatible mouse/trackball
- Cascade up to 2 levels, control up to 64/256 computers
- Supports high resolution up to 1280 x 1024
- Computer selection via Port Select Button, Hotkey and On Screen Display (OSD)

Web Browser



KVM-210-8M/KVM-210-16M

8/16-Port Combo 17" VGA LCD KVM Switch

- 19-inch 1U rack mountable
- Supports PS/2 and USB compatible mouse/trackball
- Cascade up to 2 levels, control up to 64/256 computers
- Supports high resolution up to 1280 x 1024
- Computer selection via Port Select Button, Hotkey and On Screen Display (OSD)
- Multiplatform support: Windows 2000/2003/XP/Vista/7/10, Linux, Mac, and Sun



KVM-210-08/KVM-210-16

8/16-Port Combo KVM Switch

- Supports PS/2 and USB compatible mouse/trackball
- Standalone machine controls up to 8/16 computers
- Cascade up to 2 levels, control up to 64/256 computers
- Supports monitor resolution of up to 2048 x 1536
- Computer selection via Port Select Button, Hotkey and On Screen Display (OSD)
- QVS (Quick View Setting): Quickly select your computer by naming its model or serial number





IP Power Managers

With PLANET IP power management device, users can control and monitor a server room locally or remotely through the Internet. When the ESB is attached, the IPM can check the environmental condition as well; meanwhile, users can monitor the status of special environment for security and safety issue. PLANET IPM series not only monitors and manages the power consumption, but also an ideal application for your computer power management.

IPM-4220

4-Port IP Power Manager

- Desktop size design
- 4 power outlets that can be managed
- LCD panel to display current and IP address
- Intelligent power-on sequencing
- Events notification by sending pop-up message, trap or e-mail
- Set over-current watchdog for each outlet
- IP filter to prevent unauthorized access
- Versatile sensors supported through ESB (Environmental Sensor Box)



IPM-8220

8-Port IP Power Manager

- 1U rack-mount size design
- 8 power outlets that can be managed
- LCD panel to display voltage, current and IP address
- Intelligent power-on sequencing
- Events notification by sending pop-up message, trap or e-mail
- Set over-current watchdog for each outlet
- IP filter to prevent unauthorized access
- Versatile sensors supported through ESB (Environmental Sensor Box)



IPM-ESB

Environmental Sensor Box

- Connect to Switched IPM over RJ11 cable
- Measurement range: 0 – 40°C (temperature); 0 – 95% RH (humidity)
- Off-line monitor
- Automatic events notification via E-mail and SNMP trap



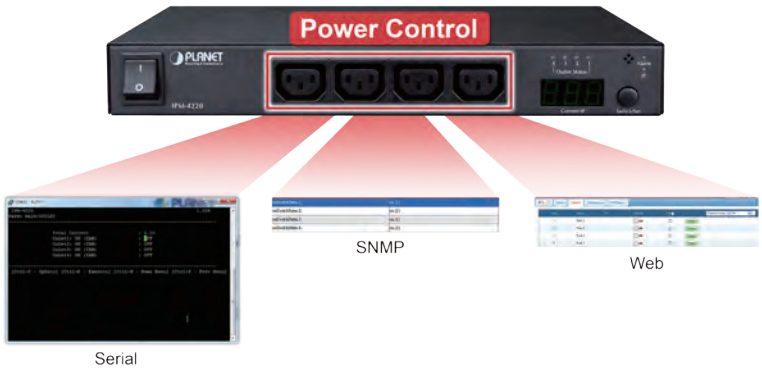
IPM-16120

16-Port IP Metered PDU

- Zero U rack-mount size design
- Hot-swappable IP module without power shutdown
- Maximum IEC 16A for 16 outlets
- Events notification by sending pop-up message, trap or e-mail
- 24-hour power consumption and device temperature monitoring
- Sets over-current watchdog for power outlet



Intelligent Power Management for IPM-4220/8220



Network Attached Storage

NAS-7103

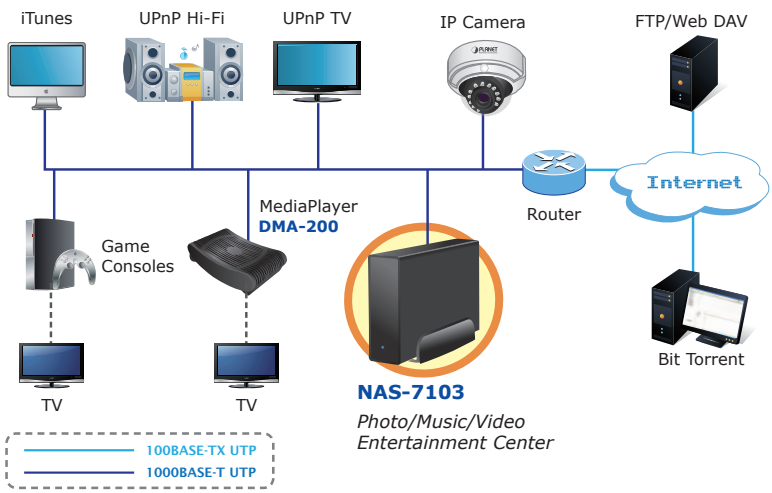
- Provides scalability up to 3TB
- 1 standard USB 2.0 port for external USB HDD
- Upload media files from iPhone or iPad to the NAS to clear up more spaces
- Supports audio files with the extensions AAC, MP3, WAV, M4A and AIFF
- Supports video files with the extensions MOV, MP4, MPV, and 3GP

dlna

Available on the App Store

NAS Viewer





HDMI/Video Wall over IP Transmitters/Receivers

IHD-410PT/IHD-410PR

- Support 1080p or Ultra 4K (3840 x 2160) HDMI resolution with H.264
- IEEE 802.3af Standard PoE Interface
- HDCP-compliant and Blu-ray ready
- Support IR extension and Automatic EDID
- Support USB for KVM PC control
- Assign video sources to any monitors of the video wall
- 1-to-1,1-to-many and multi-casting broadcasting architectures





IHD-210PT/IHD-210PR

- Compatible with H.264 and 1080p HDTV resolution
- IEEE 802.3af Standard PoE Interface
- HDCP-compliant and Blu-ray ready
- High Compression Streaming for saving Bandwidth
- Support IR extension and Automatic EDID
- 1-to-1,1-to-many and multi-casting broadcasting architectures







Ethernet Adapters

Model		ENW-9701	ENW-9801	ENW-9803
Product Image				
Attached Interface		PCI Express 2.0	PCI Express 2.0	PCI Express 2.0
Network Interface		1000BASE-X	10G BASE-SR/LR	10G BASE-T, 100/1000/2500/5000/10G Mbps
Media Interface		SFP	1 x SFP+ (SFF-8431)	RJ45
BootROM Socket		-	-	-
Wake on LAN		-	-	-
OS Support	Windows 10	•	•	•
	Windows 7	•	-	•
	Windows XP	•	•	•
	Windows 2008	•	•	•
	Vista	•	•	•
	Linux	•	•	•

Digital Media Center/IP Set-Top Box/Multimedia

PLANET Digital Media Center Solutions allow users to watch digital music videos, movies and photos on any TV at home without running wires. With elegant and easy-to-navigate menu screens, you can view family slideshows or browse your music collection by listening to entire playlists, or choosing from a vast selection of Internet TV/radio stations all over the world.

- Surfing Internet on TV easily
- Full HD (1080p) & HDMI
- Listen to digital music on your stereo system
- View digital photo, slideshow, and video on TV
- UPnP AV and DLNA compliant for maximum compatibility
- Quick access to your media contents via the remote controlled TV interface
- Stream media contents from a PC or digital device to your entertainment center

DMA-200
Digital Media Center

- Instant access video, music, and photo on USB devices via a built-in USB 2.0 connector
- Internet radio (Live 365, vTuner, etc.)
- Favorite Web TV/photo/radio station gallery
- BitTorrent downloading



ITB-3001
High Definition IP Set-Top Box

- Built-in VLC station for IPTV demo
- Built-in Flickr for photo sharing
- Broadcast TV & Time-Shift TV
- Multicast IPTV & Video-on-Demand (VoD)
- Electronic program guide and digital rights management (Available on demand with Telco head-end system)



DTR-100D
Digital TV Receiver

- Compliant with DVB-T standard
- Real-time digital video recording (MPEG-2 compression)
- HDTV quality/Snapshot in JPEG format
- Schedule recording/time-shifting
- EPG (Where available)/Teletext (Where available)
- Multi-channel preview/channel auto scan/ portable receiver/subtitle
- Compliant with USB specification Rev 2.0
- Multiple languages



Powerline Ethernet Bridges

PLANET provides several types of powerline products to meet various demands on Internet access sharing at home. Users may connect an IP STB to the Powerline Adapter, or connect a PC to the Powerline Adapter in the house freely. With PLANET powerline products applied, no messy network cables and additional switches are required at home and users can entirely enjoy home broadband network from now on.

- HomePlug AV compliant
- IEEE 802.3, IEEE 802.3u, IEEE 1901 and HomePlug AV
- 128-bit AES link encryption for security and reliability
- IGMP snooping for multicast to multiple uni-cast mapping
- Quality of Service (QoS) feature
- Green technology applied
- Up to 16 Power lines
- Easy-to-use utility

PL-802

- Data rate of up to 600Mbps within wiring of 300 meters over existing electrical wiring
- Directly attached to power outlets
- Utilizes Smartlink Technology





PL-702

- Data rate up to 500Mbps and distance up to 300 meters over existing electrical wiring
- Directly attached to power outlets



PL-751

- Data rate up to 500Mbps and distance up to 300 meters over existing electrical wiring
- Extra power outlet brings more convenience
- A noise-filtered power outlet with AC pass-through



PL-510W

- Data rate up to 200Mbps and distance up to 300 meters over existing electrical wiring
- Directly attached to power outlets
- One-touch Wi-Fi Protected Setup (WPS)
- Web-based UI and quick setup wizard



PL-104U

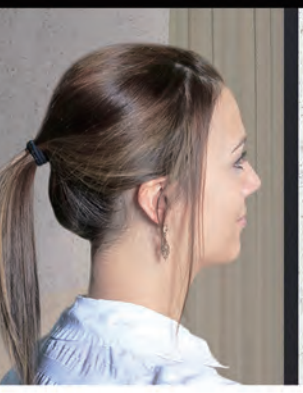
- Fully complies with HomePlug Powerline Alliance Specification 1.0
- Data rate of up to 14Mbps within wiring of 60 meters over existing electrical wiring
- Easy to read LED indicators





Cloud Home Automation

Enjoy a Smart, Safe and User-friendly Lifestyle







- **Smart Home Security and Monitoring**
  via Z-Wave Multi Sensors and IP Cameras
- **Data Analysis via Cloud**
  by Energy Consumption Monitoring
- **Remote Access and Hands-free Control**
  via controller at home and app away from home

Z-WAVE PLUS

GET IT ON Google play

Download on the App Store

Works with
Amazon Echo &
Google Home

Home Automation

PLANET Home Automation system keeps you safe, manages energy consumption, and provides entertainment. The system utilizes a power line and one single network to combine various household facility applications, including camera monitoring, access control, intercom, security, scene control, and value-added services to bring a comfortable, convenient, and happy new life to you.

HAC-1000

Z-Wave Home Automation Control Gateway

- Powerful home control and Z-Wave Plus™ certified
- 24-hour emergency monitoring
- Energy and cost saving by pre-defined scene modes
- Ensures entry doors are closed and locked remotely
- App and control pad alerts for any situation
- Z-Wave Frequency: America: 908.42MHz, Europe: 868.42MHz
- Hands-free control with Amazon Alexa



HTS-700P

7-inch Indoor Touch Screen PoE Video Intercom

- Stylish 7-inch Touch Screen IP Intercom
- Power over Ethernet IEEE 802.3af/at
- Hands-free two-way video Intercom; unlock door from the intercom
- Up to 3 scenes managed via PLANET Z-Wave Plus™ Gateway
- 8-zone alarm interface available for security control (DI x 6 + DO x 2)
- Standard SIP compatible with most modern IP Intercom systems
- Real-time image monitoring of home and community public cameras





The possibilities are endless. The only limitation is your imagination!

When everything at home is connected, with the touch of a finger, your home can come to life. Just reach for your smartphone and check. It only takes one swipe to do it all: change the temperature, turn off the lights, lock the doors, arm the security system, and start off to a great day. Remembering the details has never been this easy.

App Store Google play

Cloud Home App

WGS-804HPT

8-Port 10/100/1000T Wall-mount Managed Switch with 4-Port PoE+

- Compact size and wall-mounted design without space limitation
- IPv4/IPv6 management and SSH/SSL secure management
- 8-port 10/100/1000T RJ45
- 4-port IEEE 802.3at PoE+ injector, 120-watt PoE budget
- iOS/Android app remote power control and monitoring
- PoE schedule, scheduled power recycling, PD alive check



ICF-1800

HD Touch Screen Android Multimedia Conferencing Phone

- Built-in Android 4.2 OS multimedia conferencing phone
- 7-inch TFT color multi touch screen
- 6 identities/accounts
- Wideband G.722 HD audio with handset and hands-free
- Dual 10/100/1000 Gigabit Ethernet
- Tillable 2 megapixel CMOS camera, HDMI, micro SD



SIP Door Phones

PLANET SIP Door Phone series is the ideal solution for communication in general-purpose outdoor and indoor environments. Its sleek and fast-to-install features are combined with advanced technology. It provides visitor communication monitoring and access control. One glance at the display panel will let you know who is standing outside your door. You start a dialogue or open the door lock. In addition, with PLANET IP PBX or Z-Wave Plus Gateway, you can obtain a comprehensive system for door communication or easy integration into an existing home automation system.

- IETE SIP (RFC 3261), STUN (RFC 3489)
- Power over Ethernet IEEE 802.3af/at
- ONVIF compliant for interoperability
- Auto provisioning, TR069, VPN, VLAN, QoS
- Advanced security protection with SRTP/TLS/HTTPS
- Interoperable with all major IP PBX platforms
- AEC, AJB, BNE, CNG, NR, PLC, VAD
- Audio codecs: G.711 A-law, μ-law, G.722 (wideband), G.723, G.726 and G.729AB

HDP-5240PT

720p SIP Multi-unit Door Phone with RFID and PoE

- 720p HD camera with viewing angle: 110°, 95°
- Wideband G.722 HD audio
- Trouble-free installation
- IP65 for eaves environment
- -20 to 60 degrees C operating temperature
- Unlock the door with an RFID, remote DTMF or local password



HDP-5260PT

720p SIP Multi-unit Apartment Vandalproof Door Phone with RFID and PoE

- 720p HD camera with 3 IR LEDs
- Wideband G.722 HD audio
- Anti-vandal solution
- IP65 and IK10 for rigorous environment
- -40 to 70 degrees C operating temperature
- Unlock the door with an RFID, remote DTMF or local password



HDP-1100PT

720p SIP Door Phone with PoE

- 720p HD camera with 6 white LEDs
- Wideband G.722 HD audio
- Trouble-free installation
- App and control pad alerts for any situation



TAIWAN EXCELLENCE 2016

Cloud Bell App

App Store

Google play

Z-Wave Plus Sensors

HZS-100

Z-Wave Wall-mount Motion Sensor

- 120-degree motion detection
- Tamperproof protection and report
- Low-power consumption
- Battery capacity detection
- Powerful home control and Z-Wave Plus™ certified
- Z-Wave Frequency: America: 908.42MHz, Europe: 868.42MHz



HZS-200

Z-Wave Ceiling-mount Smoke Detector

- Photoelectric sensor is particularly effective in detecting smoldering fires
- Built-in 85dB sounder and flashing red LED indicate presence of smoke
- Tamperproof protection and report
- Low-power consumption
- Powerful home control and Z-Wave Plus™ certified
- Z-Wave Frequency: America: 908.42MHz, Europe: 868.42MHz



HZS-300

Z-Wave 4-in-1 Multi Sensor

- Door/Window contact, humidity, temperature and light sensor
- Door and window protection against unauthorized entry
- Tamperproof protection and report
- Low-power consumption and battery capacity detection
- Powerful home control and Z-Wave Plus™ certified
- Z-Wave Frequency: America: 908.42MHz, Europe: 868.42MHz



HZS-530 Series

Z-Wave Smart Energy Meter

- Energy and cost saving by setting up an automatic power on and off schedule
- Repeater to enhance the Z-Wave wireless communication range
- Voltage, current, wattage and total KWh report
- Overload protection
- Powerful home control and Z-Wave Plus™ certified
- Z-Wave Frequency: America: 908.42MHz, Europe: 868.42MHz



PLANET Feature-rich Online Resources



PLANET Global Website

PLANET announces brand-new global website that features an innovative and rich product knowledge database with more user-friendly interface. Here you can find:

- Product introduction, download resources, and related products
- Latest corporate and products news
- PLANET eTV Channel for various videos
- Product solutions and interactive application zone
- Download center -- FAQ, Support resources

In Partner Area, we provide registered partners with up-to-date information and useful marketing tools that help you sell PLANET products and solutions for expanding your revenue opportunities:

- Support and Downloads include photos, EC declaration, emulators, sales guides, datasheets, drivers, etc.
- Marketing Tools cover a wide variety of product catalogues, promotional DVD and corporate brand tools.
- Case studies on successful reference sites are shared among our worldwide partners.

Easy & Free PLANET DDNS Service

http://www.planetddns.com/

PLANET DDNS website provides a variety of products, such as PLANET IP Cameras, Router, and NAS, to support FREE Dynamic IP domain name service. Once the users register a simple and easy-to-remember domain name for your product in PLANET DDNS website, you can access and manage your devices anytime, anywhere.

PLANET Facebook Fan Page

http://www.facebook.com/PLANETTechnology

PLANET Facebook Fan Page is delivered to facilitate better exchange of information and interaction with our global customers. On our page, you can:

- Hear the latest news on PLANET
- Get the updated PLANET product information
- Share your experience with PLANET

PLANET Youtube Channel

http://www.youtube.com/user/PLANETTechnology

Aiming to provide user-friendly and feature-rich multimedia content, PLANET provides a wide variety of videos on Youtube Channel that includes:

- Corporate Introduction
- Product Solutions
- Product Demo
- IP Surveillance Live Clips
- Exhibition Highlights



2018 Taiwan Excellence Award



L2+ 8-Port 2.5G 802.3at PoE + 2-Port 10G SFP+ Managed Multigigabit Switch



L2+ 12-Port 10GbE SFP+ Managed Switch with DC Redundant Power



Industrial Modbus L2+ 4-Port Gigabit Ultra PoE Managed DIN-rail Ethernet Switch



L2+ 16/24-Port Gigabit + 2-/4-Port 10GbE SFP+ Managed Switch with Color Touch LCD

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