



2017 PRODUCT GUIDE

Comprehensive Integrated IP Solutions



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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.



10G Hardware Stacking Up to 24 units

Fiber 10G PoE+



- ✓ Up to 384 Gigabit / PoE+ / Fiber Port
- ✓ Up to 32 10G SFP+
- ✓ Zero-configuration Stacking
- ✓ Redundant AC/DC System
- ✓ Static Routing
- ✓ STP / RSTP / MSTP
- ✓ LACP

Layer 2+ Enterprise Stackable Switches

► SGS-5220 Series

Single IP Management



40Gbps Full-duplex Stacked Bandwidth



24-Port Gigabit RJ45 + 2-Port 10G

SGS-5220-24T2X



24-Port 802.3at PoE+ + 2-Port 10G

SGS-5220-24P2X



24-Port Gigabit SFP + 2-Port 10G
+ Redundant AC/DC

SGS-5220-24S2XR

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.



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.

Fully User-friendly Management

For large-scale applications for telecoms, campuses, businesses, etc., PLANET managed LAN switches come with the fully user-friendly management of console, Telnet, web, SNMP and Cisco-like console to fully control the devices in IP surveillance image transmission, wireless data transmission and voice over IP.



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.

Layer 3 Managed Chassis Switches

XGS3 Chassis



XGS3-M16C8S



XGS3-S16C8S4X



XGS3-S48G

IPv6/IPv4
Routing

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
 - 96 1000BASE-SX/LX SFP fiber slots
 - 12 10G XFP 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	Type	10/100/1000T	1000SX/LX SFP	10G XFP	Power Unit
XGS3-M16C8S	Management	16 (Shared)	24	-	-
XGS3-S16C8S4X	Standard	16 (Shared)	24	4	-
XGS3-S48G	Standard	48	-	-	-
XGS3-PWR-AC	Power	-	-	-	500W

10G Full Layer 3 Managed Switches

XGS3 Series



IPv6/IPv4
Routing

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

XGS3-24042

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

XGS3-24242

- 100/1000BASE-X SFP x 24 ports
- 10/100/1000BASE-T x 16 ports shared with Port-1 to Port-16
- 10G BASE-X SFP+ x 4 ports
- QSFP+ x 2 ports 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 L4 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 Managed Switches

SGS-6340 Series/SGS-6341 Series



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 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 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 OSPFv2
- 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-6340-24T4S

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

SGS-6340-48T4S

- 10/100/1000BASE-T x 48 ports
- 1000BASE-X SFP x 4 ports
- Smart fan design for silent operation

SGS-6340-20S4C4X

- 10/1000BASE-X SFP x 24 ports
- 10/100/1000BASE-T x 4 ports shared with Port-21 to Port-24
- 1/10GBASE-X x 4 ports
- 100~240V AC and -48~60V DC redundant power system
- Smart fan design for silent operation

SGS-6340-24P4S

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

SGS-6341-24T4X

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

SGS-6341-24P4X

- 10/100/1000BASE-T with 802.3at PoE+ x 24 ports
- 10G BASE-X SFP+ x 4 ports
- 370-watt PoE budget, up to 24 PoE

10G Layer 2+ IPv6 Managed Gigabit Switches

GS-5220 Series/XGSW Series



PLANET XGSW Series is the first Layer 2 IPv6 and IPv4 24-port Gigabit managed switch with four 10Gbps uplink slots to greatly support SMB network to achieve 10Gbps high performance in a cost-effective way because 10GbE interface usually could be available in Layer 3 switch but Layer 3 switch could be too expensive to SMBs. The XGSW 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

GS-5220-20T4C4X GS-5220-20T4C4XR

- 10/100/1000BASE-T x 24 ports
- 100/1000BASE-X SFP x 4 ports
- 1/10G SFP+ x 4 ports

XGSW-28040HP

- 10/100/1000BASE-T x 24 ports
- 100/1000BASE-X SFP x 4 ports
- 1/10G SFP+ x 4 ports
- 440-watt PoE budget, up to 24 PoE
- Supports ITU-G.8032 Ethernet Ring Protection Switching (E.R.P.S.)



GS-5220-48T4X

- 10/100/1000BASE-T x 48 ports
- 100/1000BASE-X SFP x 4 ports
- 1/10G SFP+ x 4 ports

GS-5220-46S2C4X

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

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 has launched a brand-new network product -- the MGSW Gigabit Metro Ethernet Switch Series. The MGSW 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-mount

MGSD-10080F

- 100/1000BASE-X SFP x 8 ports
- 10/100/1000BASE-T x 2 ports
- Supports ITU-G.8032 Ethernet Ring Protection Switching (E.R.P.S.)

MGSW-24160F

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

MGSW-28240F

- 10/100/1000BASE-T x 4 ports
- 100/1000BASE-X SFP x 24 ports
- 1/10G SFP+ x 4 ports
- Supports ITU-G.8032 Ethernet Ring Protection Switching (E.R.P.S.)



Layer 2+ IPv6 Managed Gigabit Switches

WGS Series/GS-5220 Series



PLANET WGS Series supports 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.

With easy and friendly management interfaces and plenty of management functions included, PLANET WGSW 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 IEEE802.3ad 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, power recycling schedule and over temperature protection

WGSD-10020

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

WGSW-24040/WGSW-24040R

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

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

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

GS-5220-44S4C

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

PoE Models

WGSD-10020HP

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

GS-5220-8P2T2S

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

WGSW-20160HP

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

WGSW-24040HP/WGSW-24040HP4

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

WGSW-48040HP

- 10/100/1000BASE-T with 802.3at PoE+ x 48 ports
- 100/1000BASE-X SFP x 4 ports
- 600-watt PoE budget, up to 24 PoE
- 19-inch, 1U rack-mount

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 x 24 ports
- 100/1000BASE-X SFP x 4 ports
- 1/10G SFP+ uplink x 2 ports
- 10G SFP+ stacked x 2 ports

SGS-5220-24P2X

- 10/100/1000BASE-T with 802.3at PoE+ x 24 ports
- 100/1000BASE-X SFP x 4 ports
- 1/10G SFP+ uplink x 2 ports
- 10G SFP+ stacked x 2 ports
- 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 x 24 ports
- 10/100/1000BASE-T x 8 ports
- 1/10G SFP+ uplink x 2 ports
- 10G SFP+ stacked x 2 ports
- 100~240V AC and 36~60V DC redundant power



Layer 2/4 IPv6 Stackable Managed Gigabit Switches

SGSW Series



PLANET Stackable Layer 2 Managed Gigabit Switch series, with model names starting with SGSW, includes Managed Switches, PoE Switches and Fiber Switches. They are all multiple port Gigabit Ethernet Switches with hardware stacking ability. The SGSW series of stackable Gigabit Switches is the best solution to meeting the need of large-scale network deployment and the growing Gigabit network demand. Today, with the new features, the SGSW Switch series brings a higher level of security management and more applications to enterprises, campuses and telecom level users.

- Up to 384 Gigabit (Copper/SFP) connectivity per stack group
- IPv4 and IPv6 management and SSH/SSL secure management
- DHCP Snooping, ARP Inspection and IP Source Guard
- IEEE 802.1Q VLAN, Private VLAN and Q-in-Q
- IEEE 802.1w/1s Spanning Tree Protocol
- Multicast VLAN Registration/Voice VLAN
- Layer 2, 3 and 4 Access Control List
- 802.1X, RADIUS and TACACS+ authentication
- SNMP v1, v2c, v3 and 4 RMON groups
- Hardware stacking management, up to 16 units
- 19-inch, 1U rack-mount

SGSW-24040P4

- 10/100/1000BASE-T x 24 ports
- 100/1000BASE-X x 4 ports
- IEEE 802.3af Power over Ethernet
- 380-watt PoE budget, up to 24 PoE powered devices

SGSW-24040HP

- 10/100/1000BASE-T x 24 ports
- 100/1000BASE-X x 4 ports
- IEEE 802.3af/802.3at Power over Ethernet
- 360-watt PoE budget, up to 24 PoE powered devices
- Up to 30.8 watts per port

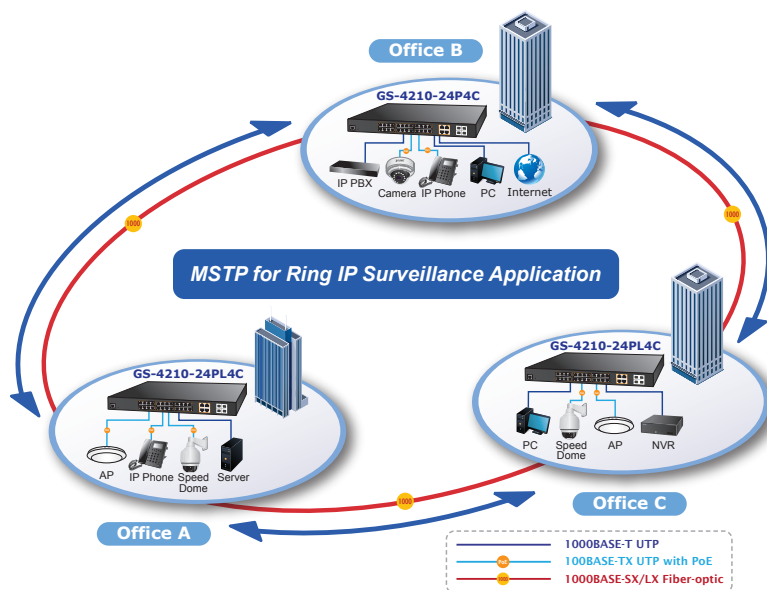
Layer 2/4 IPv4/IPv6 Managed Gigabit Switches

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 the cost of Fast Ethernet switches but at a low price. 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



GS-4210-16T2S

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

GS-4210-24T2S

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

GS-4210-48T4S

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

WGSW-28040

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

PoE Models

GS-4210-16P4C

- 10/100/1000BASE-T with 802.3at PoE+ x 16 ports
- 10/100/1000BASE-T x 4 ports
- 100/1000BASE-X SFP x 4 ports
- 220-watt PoE budget, up to 24 PoE
- Up to 30 watts per PoE port
- PD alive check, scheduled power recycling, PoE schedule

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

- 10/100/1000BASE-T with 802.3at PoE+ x 24 ports
- 10/100/1000BASE-T x 4 ports
- 100/1000BASE-X SFP x 4 ports
- 220 /440-watt PoE budget, up to 24 PoE
- Up to 30 watts per PoE port
- PD alive check, scheduled power recycling, PoE schedule

GS-4210-24P2S

- 10/100/1000BASE-T x 24 ports
- 100/1000BASE-X SFP slots x 2
- IEEE 802.3af/802.3at Power over Ethernet
- 300-watt PoE budget, up to 24 PoE powered devices
- Up to 30.8 watts per PoE port

Layer 2/4 IPv6 Desktop-size Managed Gigabit Switches



PLANET GSD & GS-4210 desktop series, the smallest Managed Gigabit Switch in the networking industry, integrates with 8-port 10/100/1000BASE-T copper, 2 extra 100/1000BASE-X SFP fiber optic interfaces and PoE PD capability delivered 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 GSD-1002M almost anywhere, 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 x 8 ports
- 100/1000BASE-X SFP x 2 ports
- 10-inch desktop size, 19-inch rack-mount
- Internal power supply

GSD-1002M

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

GS-4210-8P2S

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

GS-4210-8P2T2S

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

Layer 2 Managed Fast Ethernet Switches

PLANET FGSW Managed switch series is the best solution for a cost-effective, campus and department network application with reliable data connection, multicast traffic control, network security and powerful management functions.

The FGSW series includes Multiple Spanning Tree Protocol (MSTP), IGMP snooping, Multicast VLAN and Voice VLAN, and Layer 2 to Layer 4 Access Control List. These management functions help to perform a more complete network solution, ideal for campus or enterprise networks.

- IEEE 802.1Q tagged based and port-based VLAN
- Static port trunk and IEEE 802.3ad Link Aggregation
- IGMP snooping v1/v2 and query mode
- IEEE 802.1D/1s Spanning Tree Protocol
- Auto voice VLAN
- Access Control List
- SNMP v1, v2c, v3; 4 RMON groups and SNMP trap
- SSL and SSH
- 1U rack-mount

FGSW-2840

- 10/100BASE-TX x 24 ports
- 10/100/1000BASE-T x 4 ports
- 100/1000BASE-X x 2 ports
- Fanless



Workgroup / Managed Switch Solution for a Perfect Communication

Multi-function Layer 2 / Layer 4 Managed Switch
24-Port 10/100TX + 4G Managed Switch with 2 Combo 100/1000X SFP Ports **FGSW-2840**

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

GSD-503/GSD-803

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



GSD-504/GSD-804

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



GSD-803PD

- 10/100/1000BASE-T x 8 ports
- 9K jumbo frame
- Green networking for energy saving
- Made of metal
- Dual redundant power input on 802.3af/ at PD and 5V DC power jack



GSD-805

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



GSD-1603

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



GSW-1601

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



GSW-2401

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



GSW-4800

- 10/100/1000BASE-T x 48 ports
- 10K jumbo frame
- 8K MAC address table
- Fanless
- 19-inch, 1U rack-mount



Layer 2 Unmanaged Switches

FSD-503/FSD-803

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



SW-504/SW-804

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



FSD-1606

- 10/100BASE-TX x 16 ports
- 8K MAC address table
- One power button
- Desktop/Wall-mount
- 802.1Q VLAN transparency



FNSW-1601

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



FNSW-2401

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



FGSW-2620

- 10/100BASE-TX x 24 ports
- 10/100/1000BASE-T x 2 ports
- 8K MAC address table
- CoS traffic control
- 19-inch, 1U rack-mount



FNSW-4800

- 10/100BASE-TX x 48 ports
- 8K MAC address table
- 802.1Q VLAN transparency
- 19-inch, 1U rack-mount





Industrial Automation
Modbus TCP Network

Industrial IT
SNMP Network

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

ITU-T G.8032 ERPS

PLANET Industrial Ethernet switch series supports redundant ring technology and features 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 environments.



Weatherproof Designs

For any hardened environments, PLANET Industrial Ethernet Solution integrated with weatherproof design enables to cause the network to have stable transmission even under the temperature from -40°C to 75°C. In addition, it is IP67-rated for waterproof and dustproof features, and has 20kV lightning surge protection

IEEE 1588 Time Protocol for Industrial Computing Networks

The IGS-20040MT is intended for telecom and carrier Ethernet applications, supporting MEF service delivery and timing over packet solutions for IEEE 1588 and synchronous Ethernet.



IEEE 1588



Environmentally Friendly and Intelligent PoE Design

PLANET industrial PoE Solution includes switches, converters, extenders and wireless access points, compliant with standard IEEE 802.3af and IEEE 802.3at and able to transmit data and power simultaneously at the distance up to 100 meters. PLANET Managed PoE Switch features many intelligent PoE functions to enhance the efficient management of powered devices in the hardened network.

Industry-leading Integration of PoE Technology and Solar Power System

To fulfill the increasing demand of network installation in remote area, PLANET develops Industrial Solar Power PoE Switch that utilizes the zero-carbon emission source – the sunlight, and incorporates the high power PoE technology to enable network deployment anywhere without any obstacles of geographical barrier.



Layer 3 and Layer 2 Industrial Managed Full 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' means that it can support and operate under wide-ranging temperature from -40 to 75 degrees C.

Redundant Ring and Fast Recovery for Surveillance System

The IGS series supports redundant ring technology and features 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 20 ms.

IGS-5225-20T4C2X

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



IGS-5225-16T4S

- 16-port 10/100/1000BASE-T
- 4-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- DI/DO supported
- E.R.P.S ring supported
- 19-inch, 1U rack-mount
- 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 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- DI/DO supported
- E.R.P.S ring supported
- 19-inch, 1U rack-mount
- 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 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP Snooping
- E.R.P.S ring supported
- IEEE 1588 supported
- Static route supported
- -40~75 degrees C wide operating temperature
- DI and DO supported
- Modbus TCP



IGS-20040MT/IGS-12040MT

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



IGS-10020MT

- 8-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S ring supported
- Static route supported
- Modbus TCP



IGS-10080MFT

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



IGS-5225-4T2S

- 4-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S ring supported
- Static route supported
- Modbus TCP



IGS-801M

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



Layer 2 Industrial Full Gigabit Switches

After PLANET IGS Gigabit Ethernet Switch series has become popular, PLANET began to release the advanced industrial hardened Fast Ethernet Switch series with 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' means that it 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 aluminum case and 100BASE-FX port or Gigabit TP/SFP SFP combo interfaces for long-distance uplink.

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
- Free fall, anti-shock and anti-vibration for industrial use



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-501T

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



ISW-801T

- 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 slot
- -40 to 75 degrees C wide operating temperature
- IP30 metal case



ISW-800T-M12

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



Layer 2 Industrial Managed Full Gigabit PoE Switches

PLANET industrial PoE switch series in-line power follows standard IEEE 802.3af or IEEE 802.3at 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. 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. A wire that carries both data and power lowers the installation costs, simplifies the installation effort and eliminates the need for electricians or extension cords.

IGS-5225-24P4S

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



IGS-5225-8P2S2X

- 8-port IEEE 802.3at/af Power over Ethernet Plus
- 240-watt PoE budget/remote PoE power control
- PoE schedule, scheduled power recycling, PD alive check
- -40 ~ 75 degrees C 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 and Layer 3 static route supported
- DI and DO supported
- Modbus TCP



IGS-5225-8P4S

- 8-port 10/100/1000BASE-T with 802.3at PoE+
- 4-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP Snooping
- E.R.P.S ring supported
- IEEE 1588 supported
- Static route supported
- -40~75 degrees C wide operating temperature
- DI and DO supported
- Modbus TCP



IGS-10020HPT

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



IGS-10020PT

- 8-port 10/100/1000BASE-T with 802.3af PoE
- 2-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S 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 60W/802.3at PoE
- 1-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature
- DI and DO supported
- Modbus TCP



IGS-5226-4P2T

- IP50 metal case with dustproof design
- -40 to 75 degrees C operating temperature
- 48~56V DC redundant power design
- 144-watt PoE budget/remote PoE power control
- PoE Schedule, Schedule Power Recycle and PD Alive Check functions
- ERPS Ring Data Recovery time < 50ms
- IPv4/IPv6 Layer 3 static routing and route summarization
- 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 and 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 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- -40 to 75 degrees C wide operating temperature

**LRP-422CST**

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



Layer 2 Industrial Managed 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 slot
- -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 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-514PT/ISW-514PT15**

- 4-port 10/100BASE-TX with 802.3af PoE
- 1-port 100BASE-FX multi-mode fiber optic, 2km (ISW-514PT)
- 1-port 100BASE-FX single-mode fiber optic, 15km (ISW-514PT15)
- -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 slot
- -40 to 75 degrees C wide operating temperature
- IP30 metal case

**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



EN50155 Railway Ethernet Network Solution



IGS-604HPT-M12

- IP67 aluminum case, outdoor installation
- Waterproof and dustproof M12 Ethernet connector against vibration and shock
- -40 to 75 degrees C 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



IGS-604HPT-RJ

- IP67 aluminum case, outdoor installation
- Waterproof/dustproof RJ45 Ethernet connector
- 4-port 10/100/1000BASE-T with 802.3af 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
- E.R.P.S ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature



IGS-5226-4P2T

- IP50 metal case
- IEEE 1588 and Synchronous Ethernet network timing
- IPv4/IPv6 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 operating temperature



IGS-5227-6MT

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



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
- E.R.P.S ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature



IPOE-E202

- IP63 aluminum case, outdoor installation
- Waterproof/dustproof RJ45 Ethernet connector
- 10/100/1000BASE-T "Data + Power" Input x 1 Shielded RJ45 Port
- 10/100/1000BASE-T "Data + Power" Output x 2 Shielded RJ45 Ports
- Complies with IEEE 802.3af 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



ISW-804PT-M12

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



ISW-800T-M12

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



Shockproof Design



Layer 2 Industrial Flat-type Ethernet Switches

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, wall-mounted, magnetic wall mount and DIN-rail design
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping



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, wall-mounted, magnetic wall mount and DIN-rail design
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping



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

802.3at
PoE



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, wall-mounted, 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

802.3at
PoE



WGS-803

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



WGS-804HP

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

802.3at
PoE



Industrial Flat-type Wireless Access Point

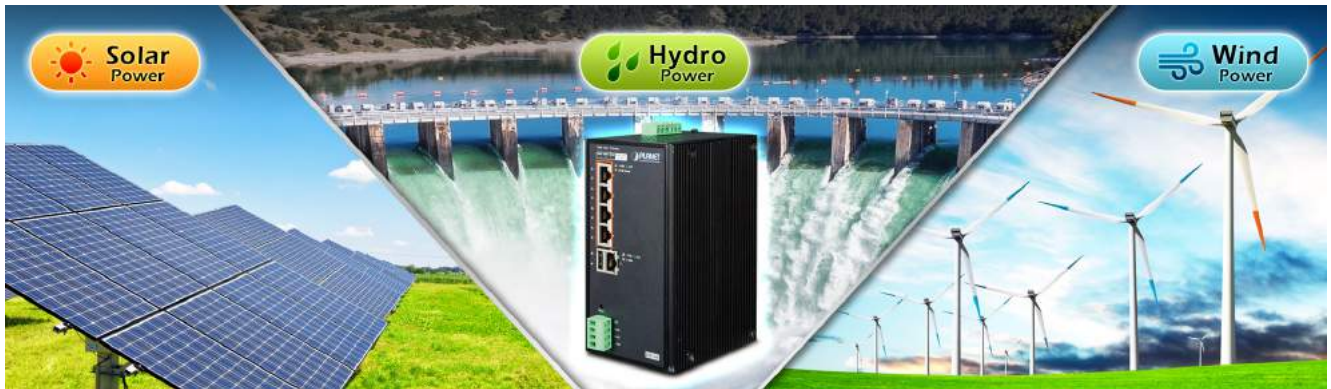
WDAP-W7200AC

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 AP controller for wirelessly centralized management



Renewable Energy 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 wide operating temperature
- Integrated with solar PV and battery for easy installation



TAIWAN
EXCELLENCE
2013

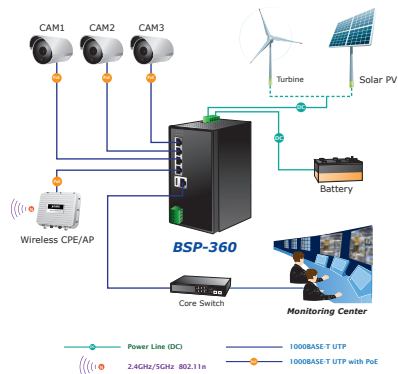


BSP-360

- 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 wide operating temperature
- Integrated with solar PV and battery for easy installation
- Web interface for remote management
- USB Backup



Solar Power System



BSP-360 Remote Management



System Management



Battery Status



Statistics



PoE Configuration



PoE Status

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 (4,500 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-2004PT

- Long reach Ethernet and extended transmission distance:
 - Up to 2.4km (7,874 ft) over coaxial cable
 - Up to 1.4km (4,500 ft) over twisted phone wire
- Up to 95Mbps transmission performance under 200m (656 ft)
- 15.4-watt full power injected by each PoE port
- -40 to 75 degrees C wide-ranging operating temperature
- 48V DC redundant power
- IP30 metal case



TAIWAN
EXCELLENCE
2012

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 60W power output
- -40 to 75 degrees C wide operating temperature
- IP30 metal case

UPoE
60W



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
60W



Industrial Gigabit Fiber over Ethernet Media Converters

In the industrial networking environments, each networked device is required to run continuously in the hazardous status. If industrial equipment stops the connection to the network, it might influence the entire operation of industrial systems and cause incredible financial losses.

PLANET Industrial Media Converter Solution is designed with strong casing with high endurance of extreme temperatures in harsh industrial conditions. It also provides the dynamic status report and real-time alarm messages that are easy to monitor and manage the entire industrial networks. PLANET Layer 2 Industrial Media Converters, with model names starting with IGT series, mean the signal converts between fiber-optic interface and Gigabit Ethernet port.

IGT-905A

- 1-port 1000BASE-X SFP fiber optic slot
- 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-902T

- 1-port 1000BASE-SX SC multi-mode, 2km fiber optic
- 1-port 10/100/1000BASE-T
- 12~48V DC redundant power
- -40 to 75 degrees C wide operating temperature
- IP30 metal case
- IPv4 Web management
- 802.1Q VLAN
- Storm control and bandwidth control



IGT-902TS

- 1-port 1000BASE-SX SC single mode, 10km fiber optic
- 1-port 10/100/1000BASE-T
- 12~48V DC redundant power
- -40 to 75 degrees C wide 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 slot
- 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 slot
- 1-port 10/100/1000BASE-T
- 12~48V DC redundant power
- -30 to 75 degrees C operating temperature
- IP30 metal case



Industrial Fiber over Fast Ethernet Media Converters

PLANET Layer 2 Industrial Media Converters, with model names starting with IFT series, mean the signal converts between fiber-optic interface and Fast Ethernet port.

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



Industrial PoE Media Converters

PLANET industrial PoE Media Converter series in-line power follows standard IEEE 802.3at 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. 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.

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 slot
- -40 to 75 degrees C wide operating temperature
- IP30 metal case
- 100BASE-FX SFP transceiver compatible



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 optical slot
- 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



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, PLANET has now released the PWR series -- DC Single Output Industrial DIN-rail Power Supply Units.

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





60W Ultra PoE Solution

Managed Switches / Hubs / Extenders / Injectors / Splitters

High Power Consuming Applications (50~60 Watts)



IP Surveillance



POS System



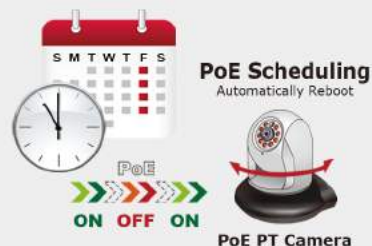
PoE Lighting



**1 Ultra Power PoE in
for 4 PoE Devices**



**Workable for non-PoE
Devices**



**Unique Intelligent
Functions**

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.



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.

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.

The **Auto-detected, connected devices function** supports not only standard IEEE PoE products but also non-PoE products. This function can automatically detect and identify whether connected devices such as IP camera comply with standard IEEE PoE 802.3af, 802.3at or non standard PoE. For eco-friendly and energy-saving design, this function will depend on the length of the Ethernet to provide the optimal power usage and identify the status of the connected devices. If IT manager installs non standard IEEE PoE devices, this function can protect the device and supply optimal power usage.



Intelligent PoE Management Functions



PoE PD Alive-checking

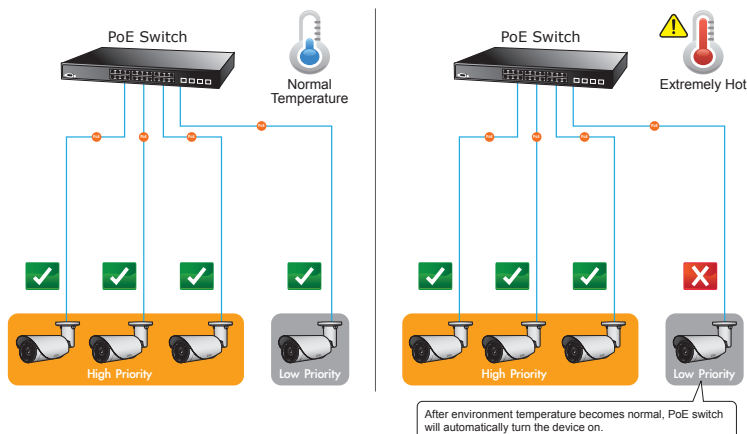
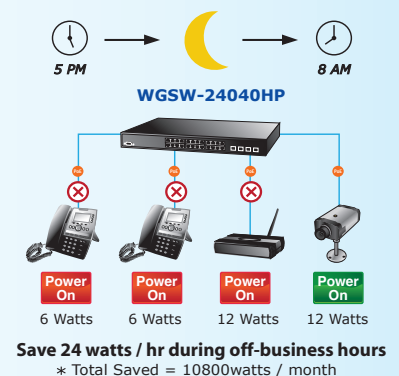
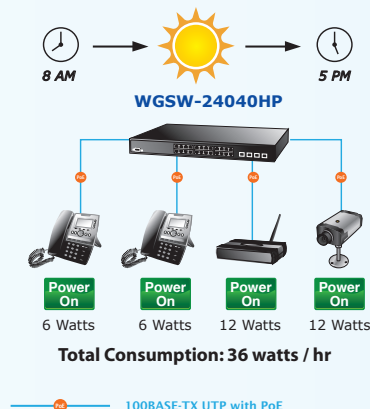


Intelligent Powered Device Alive-Check

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.

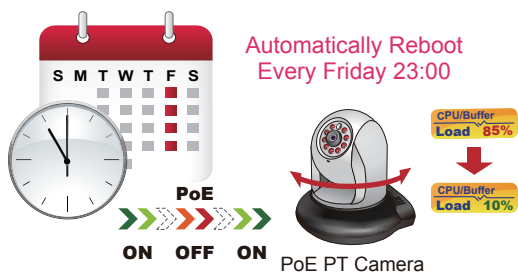
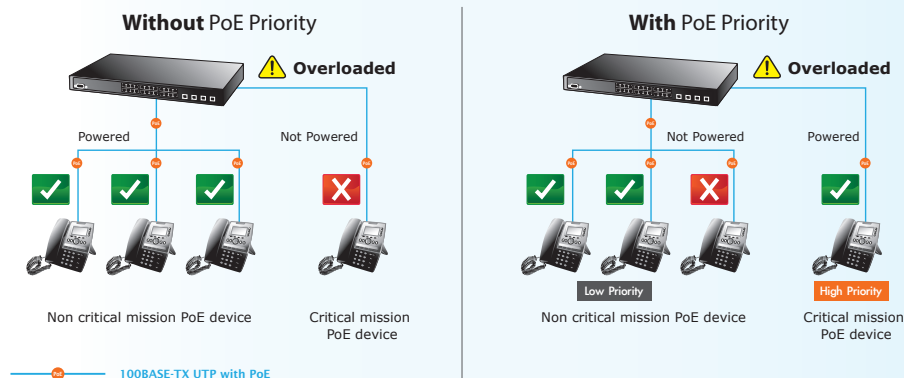


PoE Over Temperature Protection

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

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.

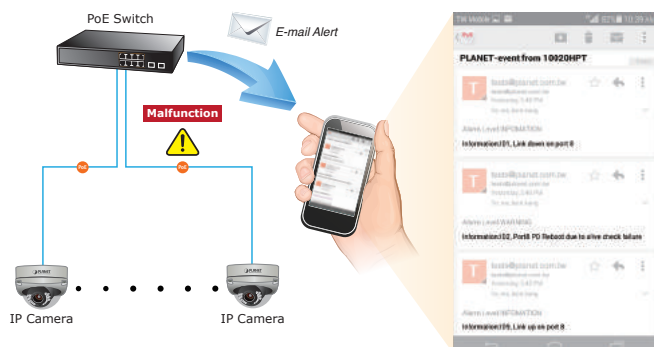


Scheduled Power Recycling

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 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



PLANET SGS-6340-24P4S 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 56Gbps switching fabric, the SGS-6340-24P4S 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-6340-24P4S perform effective data traffic control for ISP and enterprise VoIP, video streaming, and multicast applications. The SGS-6340-24P4S 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.

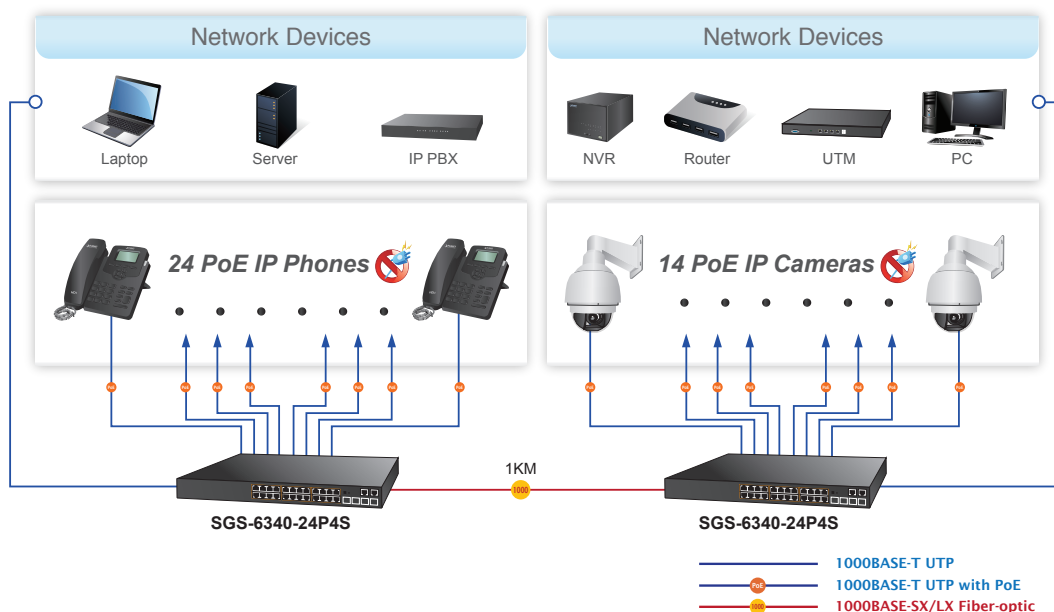
- Complies with IEEE 802.3at Power over Ethernet Plus, end-span PSE
- Supports PoE power up to 30 watts for each PoE port
- Remote PoE Power management and monitoring
- IP routing protocol: IPv4/IPv6 Layer 3 Static Routing, RIP and OSPF
- Single IP address management, supporting up to 24 units stacked 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

SGS-6340-24P4S

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

SGS-6341-24P4X

- 10/100/1000BASE-T with 802.3at PoE+ x 24 ports
- 10G BASE-X SFP+ x 4 ports
- 370-watt PoE budget, up to 24 PoE



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
- PoE models support 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+ x 8 ports
- 100/1000BASE-X x 2 ports
- 150-watt PoE budget, up to 8 PoE
- 13-inch desktop size, 1U rack-mount

GS-5220-8P2T2S

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

WGSW-20160HP

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

WGSW-24040HP/WGSW-24040HP4

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

WGSW-48040HP

- 10/100/1000BASE-T with 802.3at PoE+ x 48 ports
- 100/1000BASE-X SFP x 4 ports
- 600-watt PoE budget, up to 48 PoE
- 19-inch, 1U rack-mount

XGSW-28040HP

- 10/100/1000BASE-T with 802.3at PoE+ x 24 ports
- 100/1000BASE-X SFP x 4 ports
- 1/10G SFP+ x 4 ports
- 440-watt PoE budget, up to 24 PoE
- Smart fan design for silent operation



SGS-5220-24P2X

- 10/100/1000BASE-T with 802.3at PoE+ x 24 ports
- 100/1000BASE-X SFP x 4 ports
- 1/10G SFP+ uplink x 2 ports
- 10G SFP+ stacked x 2 ports
- 440-watt PoE budget, up to 24 PoE

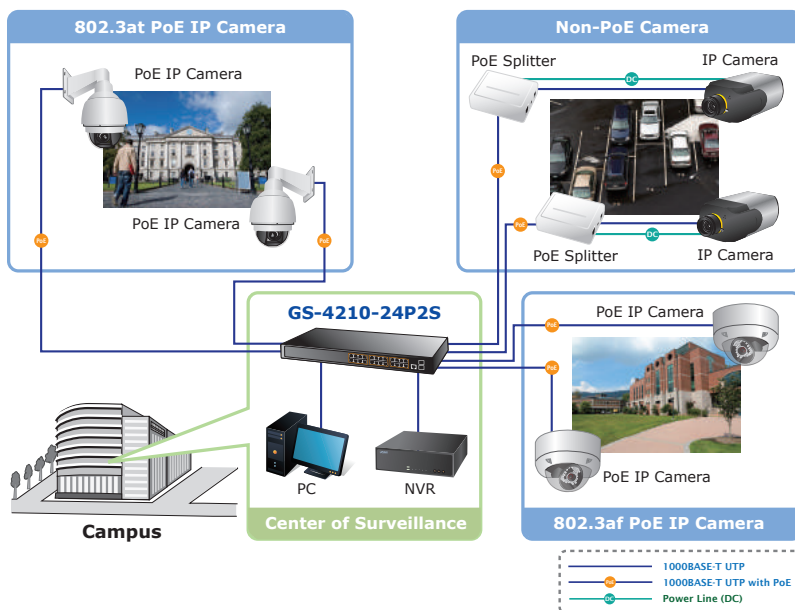


L2/L4 802.3at/bt PoE+ Managed Gigabit Switches



The 8-/24-port 10/100/1000BASE-T PoE in PLANET 802.3at PoE+ Managed Switches with 8/24 10/100/1000BASE-T PoE ports support both 802.3af and 802.3at PoE standards and allow users to flexibly connect standard and high powered devices simultaneously. To facilitate power management, the 802.3at PoE+ Managed 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 802.3af/at Power over Ethernet end-span PSE
- Supports PoE power up to 30.8 watts for each PoE port
- Remote PoE power management and monitoring
- 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+ x 8 ports
- 100/1000BASE-X SFP x 2 ports
- 110-watt PoE budget, up to 8 PoE
- PD alive check, scheduled power recycling and time-based PoE schedule
- 13-inch desktop size, 1U rack-mount
- Smart fan design for silent operation

GS-4210-8P2T2S

- 10/100/1000BASE-T with 802.3at PoE+ x 8 ports
- 10/100/1000BASE-T x 2 ports
- 100/1000BASE-X SFP x 2 ports
- 240-watt PoE budget, up to 8 PoE
- PD alive check, scheduled power recycling and time-based PoE schedule
- 13-inch desktop size, 1U rack-mount
- Smart fan design for silent operation

GS-4210-16P4C

- 10/100/1000BASE-T with 802.3at PoE+ x 16 ports
- 10/100/1000BASE-T x 4 ports
- 100/1000BASE-X SFP x 4 ports
- 220-watt PoE budget, up to 24 PoE

GS-4210-24P2S

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

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

- 10/100/1000BASE-T with 802.3at PoE+ x 24 ports
- 10/100/1000BASE-T x 4 ports
- 100/1000BASE-X SFP x 4 ports
- 220/440-watt PoE budget, up to 24 PoE
- PD alive check, scheduled power recycling and time-based PoE schedule
- Smart fan design for silent operation

GS-4210-48P4S

- 10/100/1000BASE-T with 802.3at PoE+ x 48 ports
- 100/1000BASE-X SFP x 4 ports
- 440-watt PoE budget, up to 48 PoE
- PD alive check, scheduled power recycling and time-based PoE schedule
- Smart fan design for silent operation

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

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

60W

Web Smart 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, affordable, safe and reliable power solution for SMBs deploying PoE VoIP systems and PoE wireless networks, or requiring enhanced data security and network traffic management.

- Complies with IEEE 802.3at Power over Ethernet plus PSE
- Backward compatible with IEEE 802.3af PoE
- Supports PoE power up to 30 watts for each PoE+ port
- IEEE 802.1Q VLAN, Port-based VLAN
- Quality of Service (QoS)
- Broadcast storm control
- Web management interface

Web Smart 802.3at PoE+ Switches



FGSD-1008HPS

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

FGSW-1816HPS

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

FGSW-2624HPS/FGSW-2624HPS4

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

Web Smart 802.3af PoE Switches



FSD-804PS

- 10/100BASE-TX with 802.3af PoE x 4 ports
- 10/100BASE-TX x 4 ports
- 60-watt PoE Budget, up to 4 PoE
- 10-inch desktop size, 1U rack-mount

FNSW-2400PS

- 10/100BASE-TX with 802.3af PoE Injector x 24 ports
- 125-watt PoE budget, up to 24 PoE
- 19-inch, 1U rack-mount



Web/SNMP Management

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.

Gigabit Switch

GSW-Series



Fast Ethernet Switch

FGSW-Series



LCD Monitor Status

PoE Port Status	
P01:12.0W	P05:18.0W
P02: 8.0W	P06:----
P03: ULP	P07:13.0W
P04: OLP	P08: SCP
PB:120W	Total: 51W

PoE Port Status

WARNING!
Main supply voltage
is high!
All ports are shut
down.

Power Over-voltage Protection

WARNING!
Main supply voltage
is low!
All ports are shut
down.

Power Low-voltage Protection

WARNING!
The PSE device is too
hot!
All ports are shut
down.

Power Over Temperature Protection

GSD-1002VHP

- 10/100/1000BASE-T with 802.3 at PoE+ x 8 ports
- 10/100/1000BASE-T x 2 uplink ports
- Hardware DIP Switch, including Standard, VLAN and Extend mode.
- Per PoE port supports up to 30-watt PoE power
- 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-mount

GSW-1820VHP

- 10/100/1000BASE-T with 802.3 at PoE+ x 16 ports
- 1000BASE-X SFP x 2 uplink ports
- Hardware DIP Switch, including Standard, VLAN and Extend mode.
- Per PoE port supports up to 30-watt PoE power
- 300-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
- 19-inch, 1U, rack-mount

GSW-2620VHP

- 10/100/1000BASE-T with 802.3 at PoE+ x 24 ports
- 1000BASE-X SFP x 2 uplink ports
- Hardware DIP Switch, including Standard, VLAN and Extend mode.
- Per PoE port supports up to 30-watt PoE power
- 300-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
- 19-inch, 1U, rack-mount

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

60W

FGSD-1022VHP

- 10/100BASE-TX with 802.3 at PoE+ x 8 ports
- 10/100/1000BASE-T x 2 uplink ports
- Hardware DIP Switch, including Standard, VLAN and Extend mode.
- Per PoE port supports up to 30-watt PoE power
- 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-mount

FGSW-1822VHP

- IEEE 802.3at PoE+, up to 32 watts per PoE port
- 300-watt PoE budget
- LCD with real-time PoE port status display, and power and alarm alerts
- 2-port Gigabit TP/SFP combo for uplink
- One DIP Port-based VLAN
- 4KV lightning protection
- Plug and Play design

FGSW-2622VHP

- IEEE 802.3at PoE+, up to 32 watts per PoE port
- 300-watt PoE budget
- LCD with real-time PoE port status display, and power and alarm alerts
- 2-port Gigabit TP/SFP combo for uplink
- One DIP Port-based VLAN
- 4KV lightning protection
- Plug and Play design

Unmanaged Gigabit PoE/PoE+ Switches

Centralized Power Distribution for Ethernet Networking

PLANET Unmanaged PoE Switches are ideal for small businesses and workgroups to deploy the PoE network like wireless access points, IP-based surveillance camera or IP phones in any places easily and efficiently. The Unmanaged PoE Switches also provide a simple, cost-effective and non-blocking wire-speed performance for deployment in rack environment, SOHO office or department PoE network application.

Easy and Cost-effective PoE Network Deployment

Each of the PoE injector ports in the Unmanaged PoE Switch can transmit power along with data over a single Ethernet cable to remote powered device at the distance up to 100 meters with no need of software configuration. The Unmanaged PoE Switch will reduce the need of cables and dedicated electrical outlets on the wall, ceiling or any unreachable place. It helps to lower the installation costs, simplify the installation effort and eliminate the need for electricians or extension cords.

- Complies with IEEE 802.3af/at Power over Ethernet end-/mid-span PSE
- Supports PoE power up to 15.4/30.8 watt for each PoE port
- Remote Power Feeding up to 100m
- Auto detects powered device (PD)
- Auto-negotiation and auto MDI/MDI-X
- Automatic address learning and address aging

Compact Size

GSD-604HP

- 10/100/1000BASE-T with 802.3at PoE+ x 4 ports
- 10/100/1000BASE-T x 2 ports
- 55-watt PoE budget, up to 4 PoE
- Port-based VLAN and loop protection via DIP selection
- Compact size, wall-mount



GSD-908HP

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



30W



Desktop

GSD-804P

- 10/100/1000BASE-T with 802.3af PoE x 4 ports
- 10/100/1000BASE-T x 4 ports
- 55-watt PoE budget, up to 4 PoE
- 10-inch, 1U rack-mount



GSD-808HP

- 10/100/1000BASE-T with 802.3af/at PoE x 8 ports
- 130-/240-watt PoE budget, up to 8 PoE
- 12-inch, 1U rack-mount



19" Rack-mount

GSW-1600HP

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



30W



GSW-2620HP

- 10/100/1000BASE-T with 802.3at PoE+ x 24 ports
- 1000BASE-X SFP x 2 slots
- 220-watt PoE Power budget, up to 24 PoE
- 19-inch, 1U rack-mount



30W PoE



Unmanaged Fast Ethernet PoE/PoE+ Switches

FSD-504HP

- 10/100BASE-TX with 802.3at PoE+ x 4 ports
- 10/100BASE-TX x 1 port
- 60-watt PoE budget, up to 4 PoE
- Extend power + data and port-based VLAN via DIP selection
- Compact size, wall-mount

4-port
802.3at



FSD-804P

- 10/100BASE-TX with 802.3af PoE x 4 ports
- 10/100BASE-TX x 4 ports
- 55-watt PoE budget, up to 4 PoE
- 10-inch, 1U rack-mount

4-port
802.3af



FSD-808HP

- 10/100BASE-TX with 802.3at PoE+ x 8 ports
- 125-/140-watt PoE Budget, up to 8 PoE
- 12-inch, 1U rack-mount

8-port
802.3at



FGSD-910HP

- 10/100BASE-TX with 802.3at PoE+ x 8 ports
- 10/100/1000BASE-T x 1 port
- 120-watt PoE budget, up to 8 PoE
- 12-inch, 1U rack-mount

8-port
802.3at

Gigabit
Uplink



FNSW-1600P

- 10/100BASE-TX with 802.3af PoE x 16 ports
- 125-watt PoE budget, up to 16 PoE
- 19-inch, 1U rack-mount

16-port
802.3af



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-804HP

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

4-port
802.3at



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, wall-mounted, 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



4-port
802.3at



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

8-port
802.3at

2-port
SFP



802.3af/at PoE Injector Hubs

Quick and Easy PoE Network Deployment

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

Easy Cabling Installation

The 802.3af/at PoE Injector Hubs are installed between a regular Ethernet Switch and powered devices; 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 802.3af/at Power over Ethernet system without replacing the existing Ethernet Switch.

- Complies with IEEE 802.3af/at Power over Ethernet mid-span PSE
- PoE power up to 15.4/30.8-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

POE-400

- 10/100BASE-TX "Data" input x 4 ports
- 10/100BASE-TX "Data + Power" output x 4 ports
- 60-watt PoE budget, up to 4 PoE
- PoE Power up to 15.4 watts for each PoE port
- Compact size, wall-mount



POE-1200G

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



POE-2400G

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



HPOE-460

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



HPOE-1200G

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



HPOE-2400G

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



PoE Extenders

POE-E Series

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.) Cat5e/6 UTP cable to 200m, 300m or longer distance.

- Extends the range of PoE by an additional 100 meters (328ft.)
- 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-mount
- Plug and Play

POE-E101

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



POE-E201

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



POE-E202

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



IPOE-E202

- 10/100/1000BASE-T "Data + Power" input x 1 shielded RJ45 port
- 10/100/1000BASE-T "Data + Power" output x 2 shielded RJ45 ports
- Complies with IEEE 802.3af 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



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



802.3af PoE Single-port Injectors/Splitters

POE FTP Series

PLANET 802.3af PoE Single-port Injectors follow IEEE 802.3af Power over Ethernet standard to insert DC 48 voltage into Cat.5 cable, allowing the cable between the injector and splitter to transfer data and power simultaneously. The maximum distance between the injector and splitter is 100 meters. For the cost saving and power management purposes, the 802.3af PoE Single-port Injector is the ideal IEEE 802.3af Power over Ethernet device that splits the 48V DC over the Ethernet cable into 5V/12V DC power output. What's more, upon any IEEE 802.3af devices being installed, the 802.3af PoE Single-port Injector or together with 802.3af PoE Single-port Splitter can make the connection while migrating or splitting the power and the Ethernet digital packets, such as connecting the 802.3af PoE Single-port Injector to an IEEE 802.3af complied device, AP or IP phone.

- 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-mount

FTP-802/802S15

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



POE-151

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



POE-152

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



POE-152S

- 10/100/1000BASE-T "Data" output x 1 port
- 10/100/1000BASE-T "Data + Power" input x 1 port
- Power output: 5V/12 V DC, max.2A
- Made from plastic



802.3at PoE+ Single-port Gigabit Injectors/Splitters



POE/IPOE/GTP Series

PLANET 802.3at PoE+ Single-port Injectors follow IEEE 802.3at Power over Ethernet standard to insert DC 56 voltage into Cat.5 cable, allowing the cable between the injector and splitter to transfer data and power simultaneously. The maximum distance between the injector and splitter is 100 meters. For the cost saving and power management purposes, the 802.3at PoE+ Single-port Injector is the ideal IEEE 802.3at Power over Ethernet device that splits the 56V DC over the Ethernet cable into 12V/24V DC power output.

- Complies with IEEE 802.3af/at Power over Ethernet
- Data and power transmission distance up to 100 meters
- Maximum power up to 30.8 watts
- Auto-detection of PoE+ IEEE 802.3at equipment and devices from being damaged by incorrect installation
- Desktop size, wall-mount

GTP-805A

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



POE-161

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



POE-162S

- 10/100/1000BASE-T "Data" output x 1 port
- 10/100/1000BASE-T "Data + Power" input x 1 port
- Power output: 12V/24V DC, max.2A
- Made from plastic



POE-163

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



POE-164

- 10/100BASE-TX "Data" input x 1 port
- 10/100BASE-TX "Data + Power" output x 1 port
- 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-mount



IGTP-805AT

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



IPOE-162

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



IPOE-162S

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



60-watt Ultra PoE Series

PLANET 60-watt Ultra PoE Series includes switches, hubs, extenders, injectors and splitters to simultaneously transmit data and power up to 60 watts to high power consumption of powered devices such as POS systems, speed dome IP cameras, all-in-one PCs and more. From single port to multiple ports, PLANET 60-watt Ultra PoE Series provides a complete solution to all kinds of PoE applications for retailers, restaurants, hospitals, banks, enterprises, buildings, industries, and more where both power and data transmission can be stably had.

60-watt Ultra PoE Gigabit Switches

GS-4210-16UP4C

- 10/100/1000BASE-T with ultra PoE x 16 ports
- 10/100/1000BASE-T x 4 ports
- 100/1000BASE-X SFP x 4 ports
- 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, up to 16 PoE
- PD alive check, scheduled power recycling and time-based PoE schedule
- Smart fan design for silent operation
- 19-inch, 1U rack-mount



802.3bt
Ready



GS-4210-24UP4C

- 10/100/1000BASE-T with ultra PoE x 24 ports
- 10/100/1000BASE-T x 4 ports
- 100/1000BASE-X SFP x 4 ports
- 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, up to 16 PoE
- PD alive check, scheduled power recycling and time-based PoE schedule
- Smart fan design for silent operation
- 19-inch, 1U rack-mount

802.3bt
Ready



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

LCD



GS-5220-16UP4S2X

- 10/100/1000BASE-T with ultra PoE x 16 ports
- 1000/10GBASE-X SFP x 2 ports
- 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, up to 16 PoE PD alive check, scheduled power recycling and time-based PoE schedule
- Smart fan design for silent operation
- 19-inch, 1U rack-mount

802.3bt
Ready

10G



GS-5220-24UP4X

- 10/100/1000BASE-T with ultra PoE x 24 ports
- 1000/10GBASE-X SFP x 4 ports
- 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, up to 16 PoE PD alive check, scheduled power recycling and time-based PoE schedule
- Smart fan design for silent operation
- 19-inch, 1U rack-mount

802.3bt
Ready

10G



IGS-5225-4UP1T2S

- 4-port 10/100/1000BASE-T with 60W/802.3at PoE
- 1-port 10/100/1000BASE-T
- 2-port 100/1000BASE-X SFP
- IPv6 and IPv4 Web, Telnet and SNMP management
- 802.1Q VLAN, MSTP and IGMP snooping
- E.R.P.S ring supported
- Static route supported
- -40 to 75 degrees C wide operating temperature
- DI and DO supported
- Modbus TCP

802.3bt
Ready



60-watt Ultra PoE Injector Hubs

UPOE-800G

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

802.3bt
Ready



UPOE-1600G

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

802.3bt
Ready



UPOE-2400G

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



60-watt Ultra PoE Extender

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



60-watt Ultra PoE Injectors

IPOE-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
- -40 to 75 degrees C wide operating temperature
- IP30 metal case, DIN-rail and wall-mount



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-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



60-watt Ultra PoE Splitter

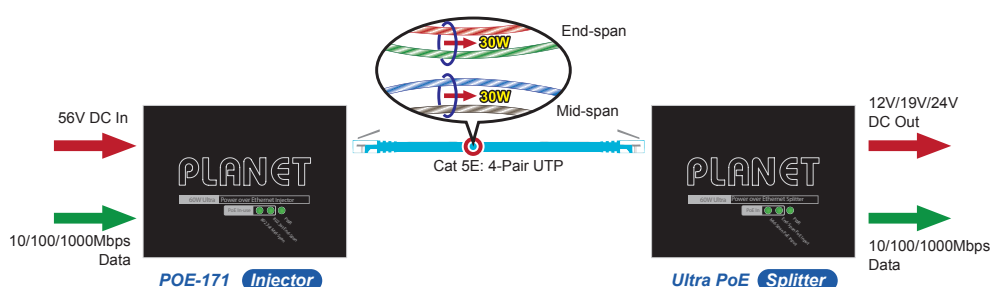
IPOE-171S

- 10/100/1000BASE-T "Data" output x 1 port
- 10/100/1000BASE-T "Data + Power" input x 1 port
- 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-mount



POE-171S

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



Long Reach PoE L2/L4 IPv6 Managed Switches

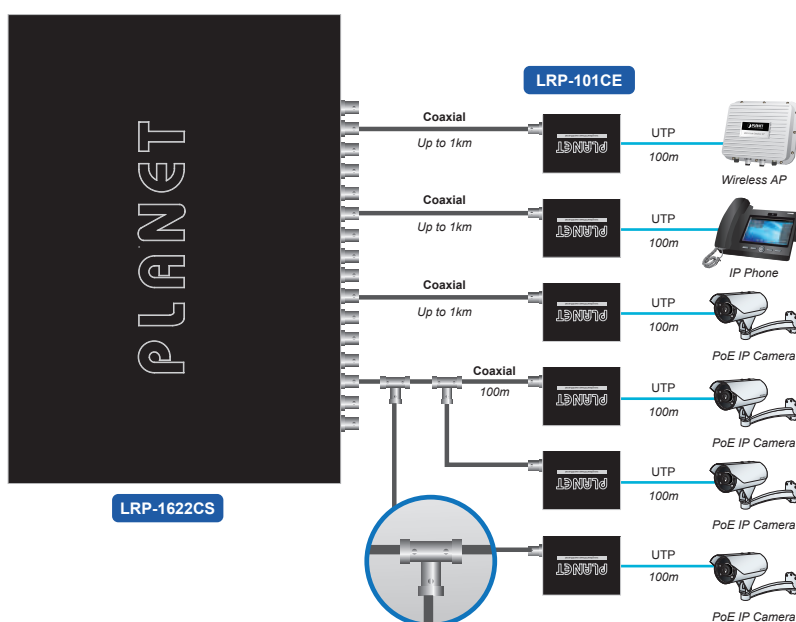
LRP Series



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



LRP-1622CS

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



LRP-422CST

- Long Reach PoE over coaxial x 4 ports
- 100/100/1000BASE-T x 2 ports
- 100/1000BASE-X SFP x 2 ports
- 150-watt PoE budget, up to 4 Long Reach PoE
- 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-mount

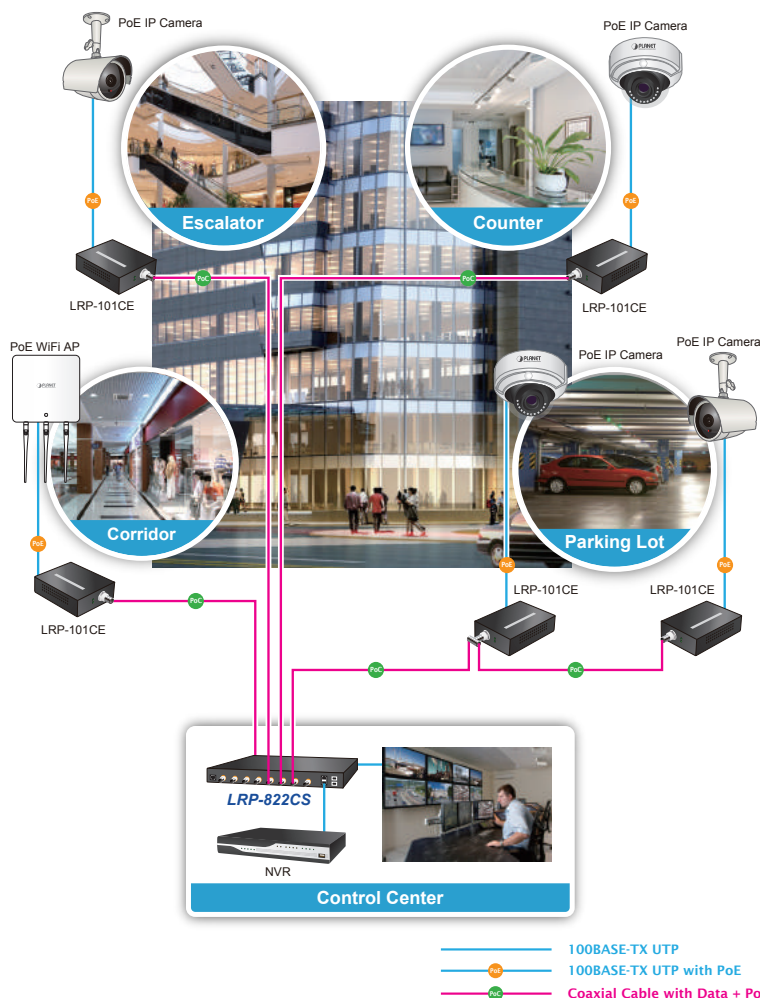


Long Reach PoE Injectors/Extenders

LRP-101 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).



LRP-101CH

Single Port Injector

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



LRP-101UH

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



LRP-101CE

Single Port Extender

- 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 wide operating temperature



LRP-101UE

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



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 wide operating temperature





All-Inclusive Fiber Optic Network Solution

Core Network

Edge Network

► Fiber Switches

MGSW-28240F / MGSW-24160F



10G Fiber



Campus

► Industrial Ethernet Switches

IGS-10080MFT



1G Fiber



Flat-type Switch



IP Camera



Wireless AP



Subway

► Media Converter Chassis

MC-1500R



1G Fiber



Traffic



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, GEAPON, 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 RS-232 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
- LL /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 multimode 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. Equipped with 7-/15-slots in the 10"/19" rack, it saves more spaces for Fiber-optic wiring, simplifies the structure and eases the maintenance of media conversion. One fan with LED indicators for the system cooling is 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. The 15 slots in the 19" rack save more spaces for fiber-optic wiring, simplify the structure and ease the maintenance of media conversion. Two fans with LED indicators for the system cooling are 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 high 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-802, GT-802S, GT-805A and GT-806A/B series and GT-1205A Gigabit Ethernet Media Converter support auto MDI/MDI-X on their TP port. The GT-802, GT-802S, GT-805A and GT-806A/B series provide 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 net. 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

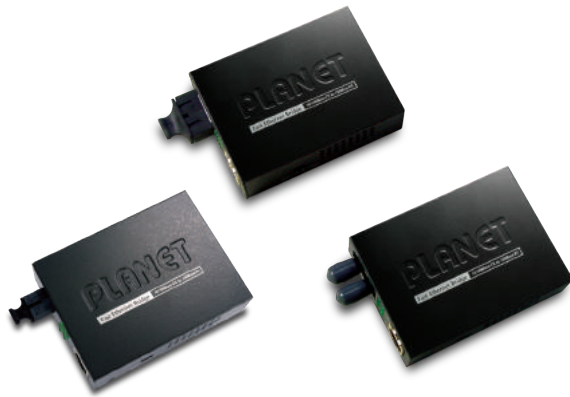
GT-806B60

- 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 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 net. 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. The difference with the other one-port channel Media Converter is the redundant Media Converter. 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, efficiently and inexpensively. 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 Ethernet signal allows three types of segments to connect easily, efficiently and inexpensively. 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 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 from 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-201A, VC-202A and VC-231 are Ethernet-over-VDSL2 Media Converters 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-201A, VC-202A and VC-231 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

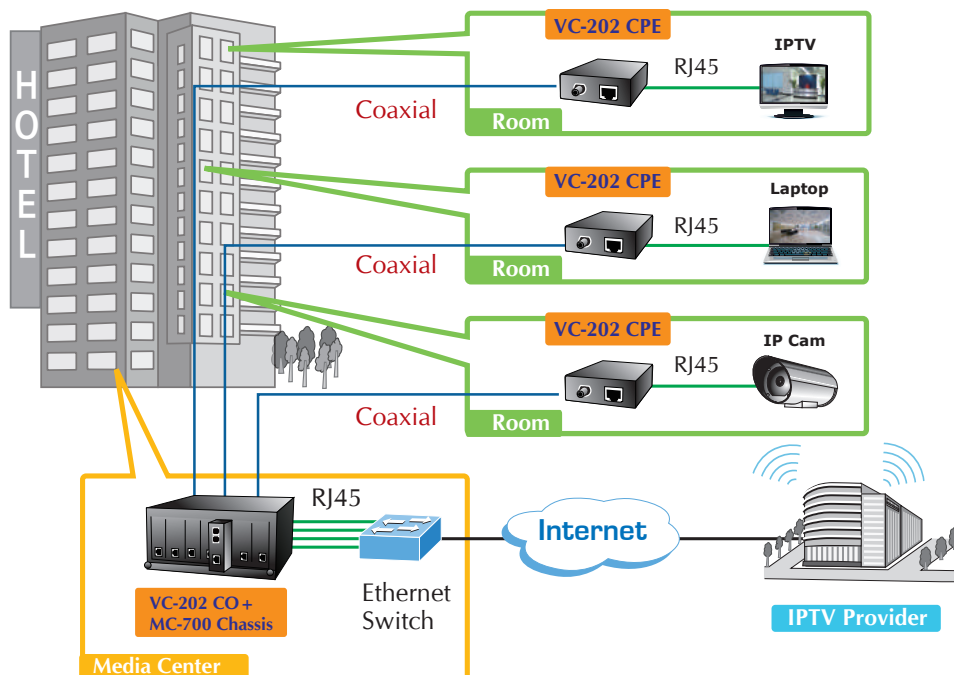
- ITU-T G.993.2 VDSL2 (Profile 17a)
- 2 RJ11 connectors for VDSL2 and POTS connection with up to 1.4km distance support

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



Serial over Ethernet Media Converters



PLANET ICS-10x Media Converter/Device Server series can convert Serial RS-232/RS-422/RS-485 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, efficiently and inexpensively. 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 Web Smart Media Converter 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
- Cost-effective solution for RS-232 to Ethernet application
- Choice of fiber connectors from 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)

ICS-100

- One RS-232/RS-422/RS-485 port
- 1-port 10/100BASE-TX, auto MDI/MDIX

ICS-102

- One RS-232/RS-422/RS-485 port
- 1-port 100BASE-FX SC, 2km fiber optic

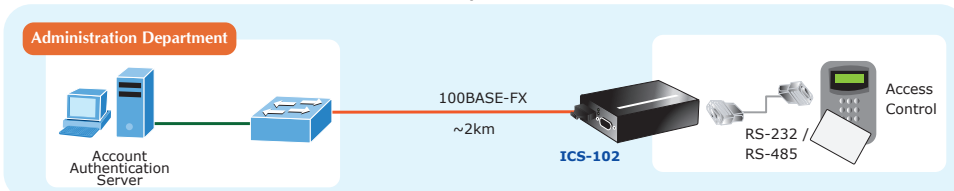
ICS-102S15

- One RS-232/RS-422/RS-485 port
- 1-port 100BASE-FX SC, 15km fiber optic

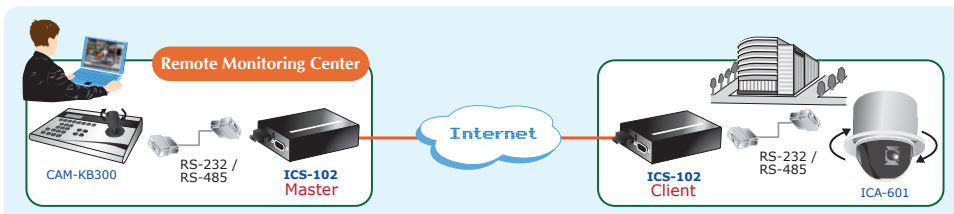
ICS-105A

- One RS-232/RS-422/RS-485 port
- 1-port 100BASE-FX SFP fiber optic slot

Standalone Installation - Device Gateway Server



Pair Connection - Local to Remote Serial Extension



Plastic Optical Fiber Converters



PLANET FT-807L is a 10/100BASE-TX shielded twisted pair (STP) to Fast Ethernet 100BASE-FX fiber converter. It supports full-duplex operations at its fiber-optic interface in the form factor of SMI (Small Multimedia Interface) interface. The FT-807L automatically adapts to the highest level of performance supported by the device connected to the STP port. The SMI (small multimedia interface) is one kind of POF (plastic optical fiber) interface that can be suitable for low-cost and high-speed data transmission. The SMI patch cord meets the IEEE 1394b specification that can transmit data at S200 (250Mbps) speed for 50 meters; the distance range of TP port is 100 meters. The FT-807L will make the new generation multimedia life more interesting and easy to install.

- Complies with IEEE 802.3, IEEE 802.3u 10/100BASE-TX, 100BASE-FX standard
- RJ45 TP to POF (plastic optic fiber interface) conversion
- IEEE 1394b SMI patch cord, up to 50m
- Low-cost and high-speed Data Transmission
- Compact size and easy installation

FT-807L

- IEEE 802.3u 10/100BASE-TX, 100BASE-FX
- RJ45 TP to POF (Plastic Optical Fiber interface) conversion
- Optolock plug-less POF interface

Video over Fiber Optic Converters



In the analog video over optic fiber transmission applications, the demand for different optical fiber options increases all over the world. To satisfy the demand, PLANET VF-10x-KIT Video over Fiber converter models for system integrators and security service providers are available with multi-mode or single-mode fiber patch cord, according to their system requirements.

The VF-10x series includes different types of fiber connectors such as ST, SC, FC and WDM SC, which enable CCTV applications to replace the traditional coaxial cable with stable fiber cable performing more efficiently. Just choose the most suitable Video over Fiber converter kit to build the CCTV network or extend the analog surveillance system.

- High-speed synchronous digital transmission technology
- 8 bit video signal digital sampling
- Data type: RS-485
- PAL, NTSC, SECAM compatible
- Max. transmission distance of 20km
- Safe transmission guaranteed under poor electromagnetic environment
- Wall mounting and DIN-rail supported
- Compact in size, easy installation
- FCC Part 15 Class A, CE
- 10-/19-inch chassis compatibility (MC-700/MC-1500/MC-1500R/MC-1500R48)
- 10-/19-inch chassis compatibility (For VF-10X series)

VF-101-KIT

- Video and data over fiber transmission
- ST multi-mode fiber connector
- Transmission distance of 2km

VF-102-KIT

- Video and data over fiber transmission
- FC single-mode fiber connector
- Transmission distance of 20km

VF-102SC-KIT

- Video and data over fiber transmission
- SC multi-mode fiber connector
- Transmission distance of 2km

VF-102S15-KIT

- Video and data over fiber transmission
- SC single-mode fiber connector
- Transmission distance of 15km

VF-106-KIT

- Video and data over fiber transmission
- SC/WDM single-mode fiber connector
- Transmission distance of 20km

VF-402-KIT

- Fiber optic transmission of four video signals on one fiber with RS-485 data signals
- Industrial level of operating under a wide temperature range of -25 to 75 degrees C



➤ EPL-2000

High-Performance GEAPON Solution for FTTx First Choice of Triple Play Application



➤ EPN-110

GEAPON SFU ONU



IPTV



Internet



➤ EPN-402NV

GEAPON 11n Wi-Fi ONU



Online Gaming



VoIP via Wi-Fi



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.

Dual-band and High-speed 802.11n Wireless Connectivity

With the built-in 2.4GHz IEEE 802.11b/g/n or 5GHz 802.11a/n wireless network capability, PLANET Wireless VDSL2 Router can be connected to any computer and wireless-enabled network device without additional cabling. The radio coverage is also doubled to offer high-speed wireless connection even in spacious offices or houses.



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

PLANET GEAPON 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.



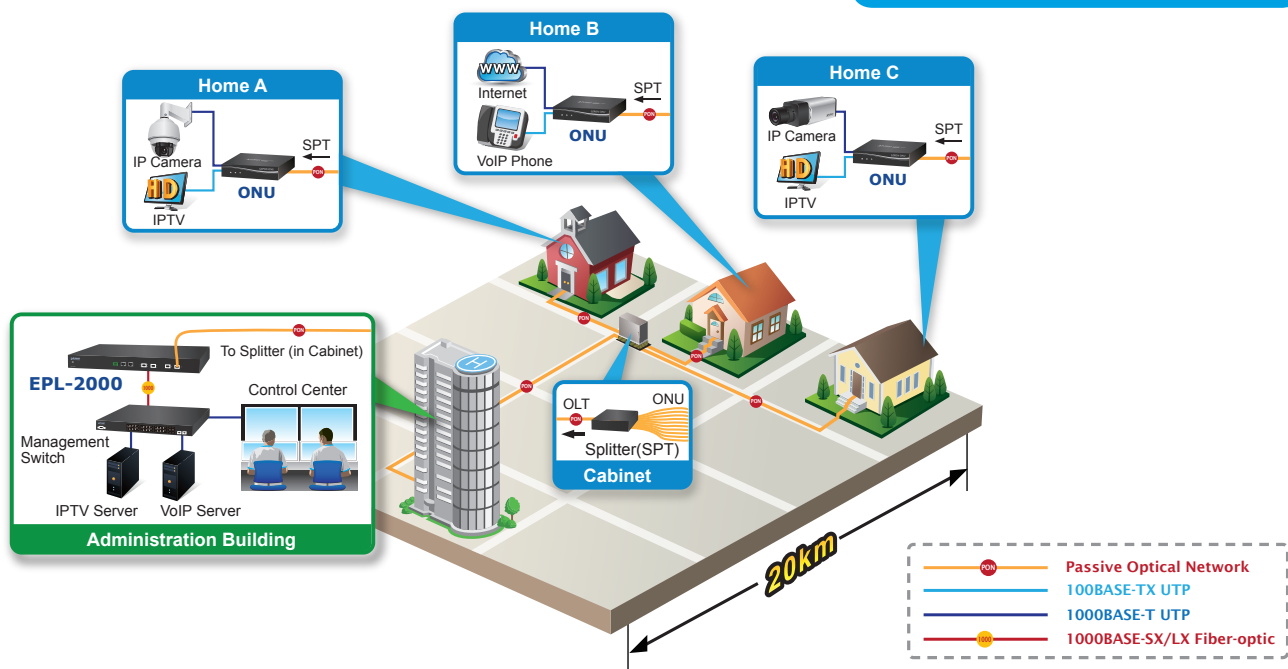


Perfectly Designed for FTTx Applications

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

Fiber To The Home (FTTH) Application



EPL-2000

GEAPON OLT

- Optical split ratio: Up to 1:64
- 2-PON interface, 2 x GbE SFP, 1 x MGT port
- Supporting up to 8K MAC address table

EPL-2220

GEAPON 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

GEAPON ONU

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

EPN-402NV

GEAPON Wi-Fi ONU

- 300Mbps 802.11n wireless connectivity
- 2 FXS ports can be easily integrated with general Voice over IP system
- 802.1Q VLAN and IGMP proxy for IPTV applications
- Supports IPv6/IPv4 dual stack network, NAT, DMZ and virtual host

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

GEAPON 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

VDSL2 IP DSLAM/CO Switches



Perfectly Designed for FTTx Last Mile Applications

PLANET XDL-2420R Series 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 XDL-2420R Series 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 XDL-2420R 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.

VC-820M

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

- 8-port VDSL2 CO subscriber interface

VDL-2420M

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

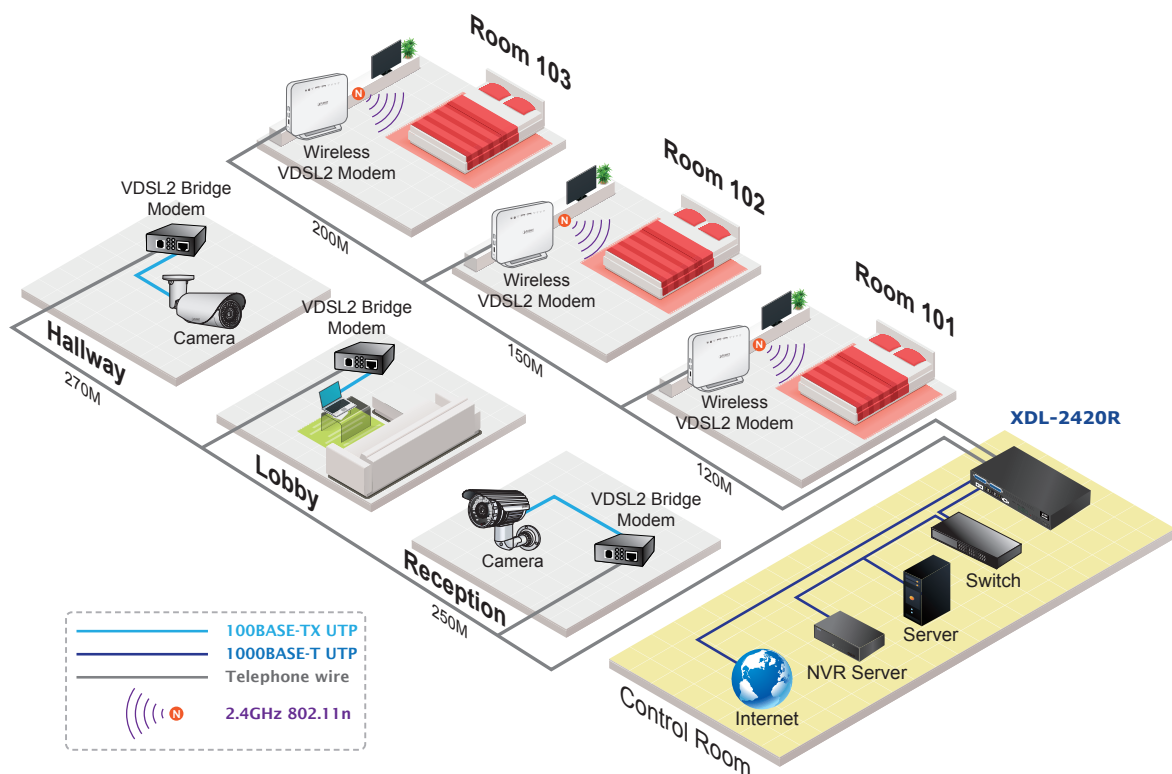
- 24 VDSL2 subscriber interfaces with built-in POTS splitter
- Two 100/1000Mbps TP and SFP shared combo interfaces
- Supports ITU-T G.993.2
- Supports VDSL2 profile up to 30a
- Supports 802.1Q, Q-in-Q, GVRP VLAN
- Supports IGMP snooping v1, v2 and v3
- Supports IPv4 Web; Telnet; SNMP v1, v2c, v3 management

XDL-2420R

24-port VDSL2/ADSL2+ with 2-port Gigabit TP/SFP combo IP DSLAM

- 24 VDSL2/ADSL2+ subscriber interfaces with built-in POTS splitter
- Two Gigabit TP/SFP combo ports
- Supports VDSL2 profile up to 30a
- Supports ADSL/ADSL2/ADSL2+ standard
- Supports dual power redundancy
- Supports environmental detection and alarm
- Supports IGMP v2/Q-in-Q VLAN/ACL

Hotel Application



VDSL2 Bridges/Routers



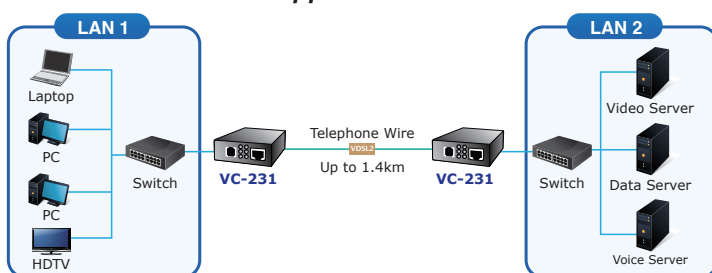
High-Performance VDSL2 Data Rate over Existing Phone Lines

PLANET 30a VDSL2 Solution contains various VDSL2 CPE (customer premises equipment) models for telecoms, ISPs (internet service providers), SI (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 copper telephone lines without the need of rewiring. The ideal xDSL technology provides the best solution to the last-mile connectivity.

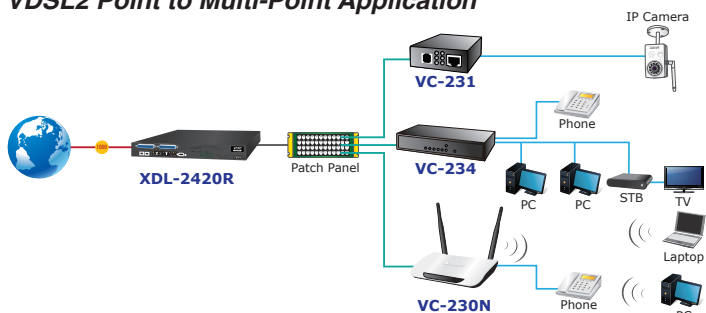
Ethernet over VDSL2 Converter

- 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



VDSL2 Point to Multi-Point Application



VC-201A

10/100TX over VDSL2 Media Converter

- Cost-effective VDSL2 CO/CPE bridge solution
- Selectable target data rate and target SNR Margin

VC-202A

10/100TX over Coaxial Media Converter

- Coaxial to copper media converter
- 1 x BNC port to connect with coaxial cable
- 1 x 10/100BASE-TX copper
- Long reach Ethernet distance up to 3.0km

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

30a

VC-234

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

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

30a

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
- TR-069 compliant
- DLNA media server

30a

VDR-301N

300Mbps Wireless VDSL2 Bridge Router

- Built-in VDSL2 modem
- G. vectoring
- Multiple WAN connections
- Supports IPv6
- TR-069 compliant
- Traffic Shaping for traffic control

30a

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 25 Mbps, upstream up to 3Mbps
- Local RS-232 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



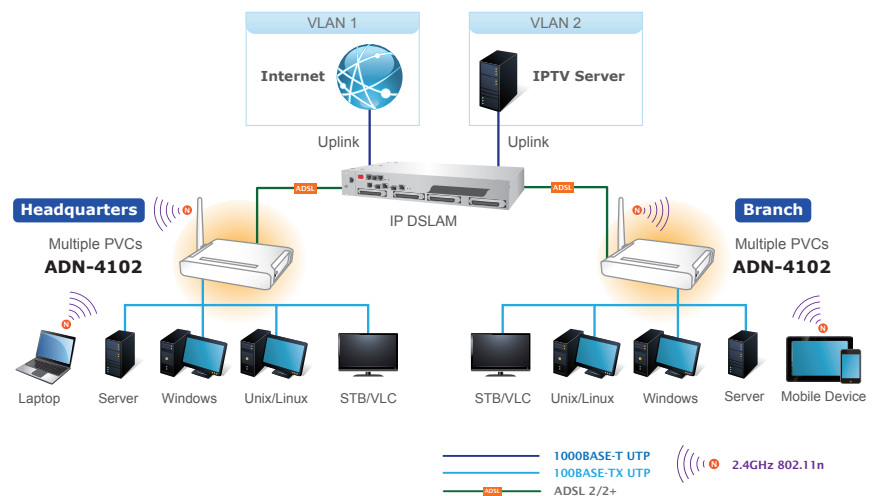
ADSL 2/2+ Router

PLANET ADSL 2/2+ Router provides office and residential users with the ideal solution to sharing the high-speed ADSL 2/2+ broadband Internet connection on one Ethernet port. It can provide downstream transmission rates up to 24Mbps and upstream transmission rates up to 3.5Mbps.

- Compliant with ADSL 2+ standard
- Virtual server and DMZ
- VPN pass-through
- SPI firewall
- TR-069 ready

ADN-4102

- IEEE 802.11b/g/n Wireless Standard compliant
- Provides data rate up to 150Mbps via 802.11n Technology
- WPA-PSK Support: WPA-PSK_TKIP and WPA-PSK_AES encryptions
- IPv6 and IPv4 compliant
- Up to 24Mbps downstream and 3.5Mbps upstream (ADSL 2+)





Wireless AP Management Solution

▶ WAPC-1232HP / WAPC-2864HP

Virtualization Features Speed Up Wi-Fi Planning and Analysis



Dashboard



Zone Plan



Graphical Statistics

- Wi-Fi at a glance
- Effective management
- Entire system summary

Dashboard



- Custom floor plans
- Properties control
- Coverage heat map

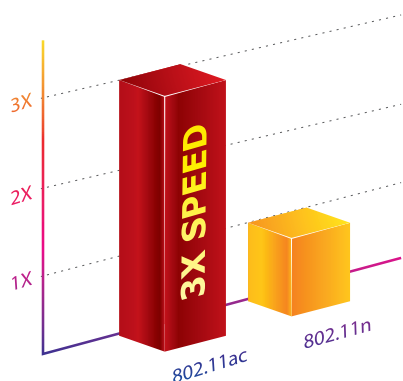
Zone Plan



- AP real-time statistics
- Troubleshoot anomalies
- RF interference detection

Statistic





802.11ac Ready for Next-Generation Wireless Connection

PLANET 802.11ac Wireless Solution provides ultra high-speed wireless transmission for enterprise, SOHO and home networking deployment. 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 in the home and office.

Centralized Management

When service providers deploy a large-scale and number of wireless APs in buildings such as hotels, PLANET wirelessly centralized management helps service providers and IT managers control all wireless APs at the same time in both software and hardware.



Reliable Wireless Data Transmission

PLANET Outdoor Wireless Solution provides higher transmit power, better performance, wider coverage and stable connection for all kinds of outdoor applications.

All-Weather Protection for Outdoor Environment

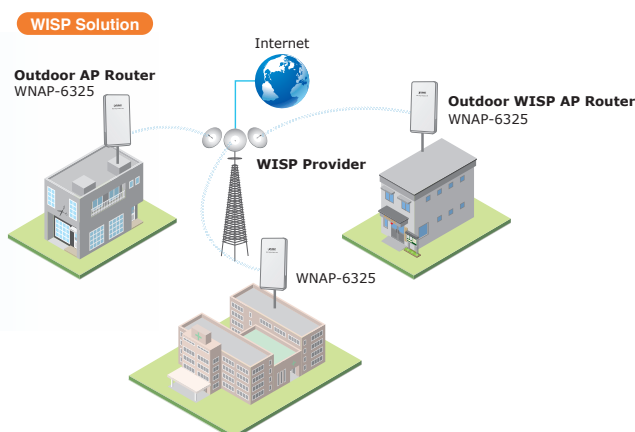
With the IP66-rated, rugged aluminum housing and operating temperature ranging from -40 to 70 degrees C, PLANET Outdoor Wireless Solution can perform normally under rigorous weather conditions, including heavy rain, wind and snow.



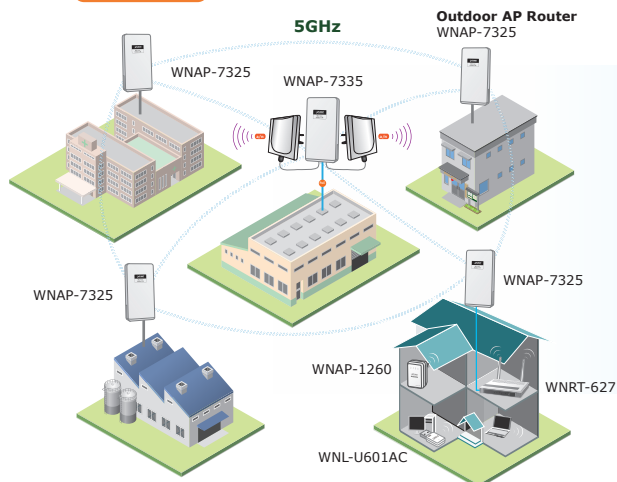


WISP Solution

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.



Wi-Fi Solution

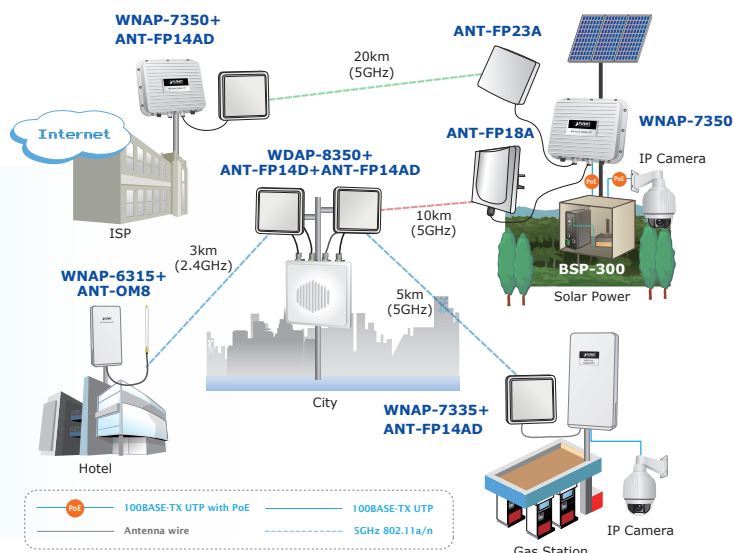


Outdoor Wi-Fi LAN Solution

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 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 Wireless Outdoor Solutions

Highly-reliable Wireless Outdoor Connection

Planet Outdoor Solution provides Higher Transmission Power, Longer Distance, and Better Performance than standard outdoor wireless Access Point. It is equipped with various antenna solutions 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 Wireless Outdoor Solutions

WDAP-8350

Dual-band 600Mbps 802.11n Wireless 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



5GHz 802.11a/n Wireless Outdoor Solutions

WNAP-7350

5GHz 300Mbps Outdoor CPE

- Built-in 2 N-type (F) antenna connectors
- AP/Client, WDS PtP/PtMP, Repeater, WISP modes
- High transmission output power up to 500mW
- Aluminum housing, IP67 protection
- 802.3af Power over Ethernet design



WNAP-7335

5GHz 300Mbps Outdoor CPE

- Built-in 2 RP-SMA (F) antenna connectors
- AP/Client, WDS PtP/PtMP, WISP modes
- High transmission output power up to 500mW
- UV resistance, IP55 protection
- TDMA technology enhances PtMP wireless efficiency
- 100Mbps real performance at 5km



WNAP-7325

5GHz 300Mbps Outdoor CPE

- Built-in 14dBi dual-polarized antenna
- AP/Client, WDS PtP/PtMP, WISP modes
- High transmission output power up to 500mW
- UV resistance, IP55 protection
- TDMA technology enhances PtMP wireless efficiency
- 100Mbps real performance at 5km



WNAP-7320

5GHz 300Mbps Outdoor CPE

- Built-in 14dBi dual-polarized antenna
- AP/Client, WDS PtP/PtMP, Repeater, WISP modes
- High transmission output power up to 500mW
- UV resistance, IP55 protection



2.4GHz 802.11b/g/n Wireless Outdoor Solutions

WNAP-6350

2.4GHz 300Mbps Outdoor CPE

- Built-in 2 N-type (F) antenna connectors
- AP/Client, WDS PtP/PtMP, Repeater, WISP modes
- High transmission output power up to 500mW
- Aluminum housing, IP67 protection
- 802.3af Power over Ethernet design



WNAP-6335

2.4GHz 300Mbps Outdoor CPE

- Built-in 2 RP-SMA (F) antenna connectors
- AP/Client, WDS PtP/PtMP, WISP modes
- High transmission output power up to 500mW
- UV resistance, IP55 protection
- TDMA technology enhances PtMP wireless efficiency



WNAP-6325

2.4GHz 300Mbps Outdoor CPE

- Built-in 12dBi dual-polarized antenna
- AP/Client, WDS PtP/PtMP, WISP modes
- High transmission output power up to 500mW
- UV resistance, IP55 protection
- TDMA technology enhances PtMP wireless efficiency



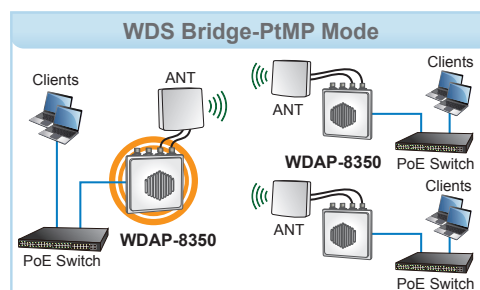
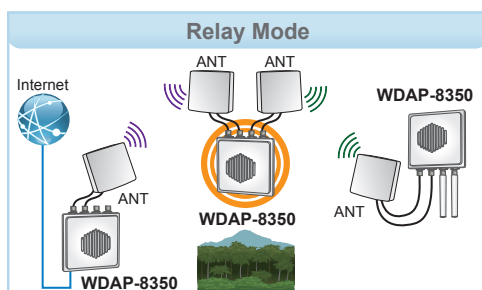
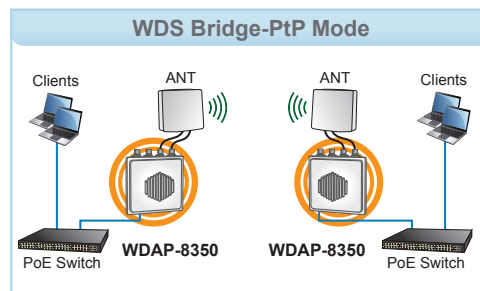
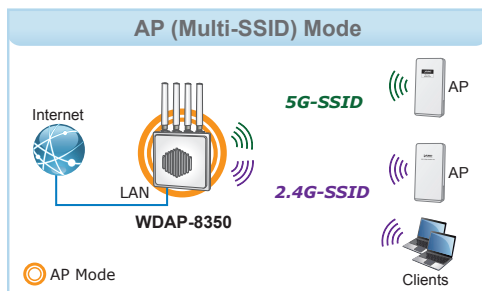
WNAP-6315

2.4GHz 150Mbps Outdoor CPE

- Built-in 12dBi patch antenna
- AP/Client, WDS PtP/PtMP, Repeater, Universal Repeater WISP modes
- High transmission output power up to 500mW
- UV resistance, IP55 protection
- Optional RP-SMA (F) antenna connector



Multiple Wireless Modes



5GHz AP/Client Link 2.4GHz AP/Client Link



Enterprise Wi-Fi Networking

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 routers, the WDAP-1750AC offers faster transmission speed and more convenient method to enable or disable wireless signal.



WIPG-300H
802.11n Wireless Interactive
Presentation Gateway
with 1080p Full HD



WDAP-1750AC
1750Mbps 802.11ac Dual
Band Wall-mount Enterprise
Wireless Access Point



WDAP-C7200AC
1200Mbps 802.11ac Dual Band
Ceiling-mount Wireless Access Point



WDL-U601AC
433Mbps 802.11ac Dual Band
Wireless USB Adapter

Wireless Home and SOHO Applications

PLANET makes your home networking easier and more compact with 802.11ac solution. Simply install an 802.11n compatible wireless router, WDRT-1200AC, 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.



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



WRE-1200
1200Mbps 802.11ac Dual Band
Range Extender



ICA-W7100
720P Wireless IR PT IP Camera



Enterprise Wi-Fi Networking

Enterprise Wireless Access Points

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.

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
- Supports software AP controller (1 on 5)



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
- Supports AP controller for wirelessly centralized management



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 AP controller for wirelessly centralized management



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
- Supports software AP controller (1 on 5)



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



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



Wireless Access Point Controllers

When service providers deploy a large-scale and number of wireless APs in buildings such as hotels, villas, resorts or any large area deployment, PLANET Wireless Access Point Controller Series helps service providers and IT managers control all wireless APs at the same time.

- Locally maintains configuration profiles for all managed APs
- Centrally monitors all managed APs' statuses and associated client list
- AP alive check for automatic operating status diagnostics
- IPv4/IPv6 dual stack management
- L2/L3/L4 ACL and MAC access control
- 802.1Q VLAN, 802.1X user authentication and loop protection

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



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



Managed APs

WDAP-C7200AC

1200Mbps 802.11ac Wireless AP



WDAP-W7200AC

1200Mbps 802.11ac Wireless AP



WNAP-C3220A

300Mbps 802.11n Wireless AP



WNAP-W2201A

300Mbps 802.11n Wireless AP



Optimizing Wireless Network within Minutes



Graphical Statistics



Dashboard



Zone Plan



Wireless Home and SOHO Applications

3G/4G Wireless AP Routers

PLANET Wireless 3G/4G Broadband Router provides home, SOHO and business users with a reliable and cost-effective wireless solution by featuring 3G/4G/WAN Internet access and high-speed IEEE 802.11n wireless transmission. PLANET Wireless 3G/4G 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/4G service wherever at home, hotspot, or in public places like transportation, outdoor events, etc.

- 3G/4G mobile Internet connection
- Compliant with IEEE 802.11n wireless technology with data rate of up to 300Mbps
- Supports multiple operation modes
- Compliant with IEEE 802.11n wireless technology with data rate of up to 300Mbps
- Supports multiple operation modes

WNRT-617G

150Mbps 802.11n Wireless 3G/4G Router

- Dual WAN connections and 3G/4G failover
- Advanced 152-bit WEP, WPA-TKIP(PSK), WPA2-AES (PSK) and 802.1X authentication
- Easy, smart setup wizard
- PLANET DDNS supported



VDR-300NU

300Mbps Dual-band Wireless VDSL2 Router

- Built-in VDSL2 with G. vectoring technology
- Multiple WAN connections and 3G failover
- Selectable dual-band wireless
- TR-069 compliant DLNA media server
- PLANET DDNS supported



802.11ac/n 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-731U

600Mbps 802.11n Wireless AP Router

- Simultaneous dual-band connectivity in 2.4GHz 300Mbps and 5GHz 300Mbps
- Built-in 5dBi high-gain antennas
- Equipped with all Gigabit RJ45 ports
- LAN4 IPTV pass-through supported
- One USB 2.0 port with file and printer sharing supported
- Supports guest network



2.4GHz 802.11b/g/n Wireless AP Routers

WNRT-633

300Mbps 802.11n Wireless Gigabit Router

- Gigabit Ethernet ports for high-speed WAN/LAN connection
- Multiple operation modes: AP/Client, WDS, Repeater, Universal Repeater, WISP
- 5dBi high-gain antennas with flexible RP-SMA (F) connector
- Powerful firewall and complete access control functions



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 Access Points/Range Extenders

Ideal High-speed Wireless Range Extender

To minimize the effort of wireless network deployment, PLANET provides ideal Wireless Range Extension solution that features 802.11n MIMO technology. With the high speed transmission rates, PLANET Wireless Range Extender is easy to integrate the wireless devices with the existing wired network. Compared with general wireless AP routers, PLANET Wireless Range Extender offers more powerful and flexible capability for home and business demands to access Internet and extension of wireless network range.

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

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



WNAP-1110

150Mbps 802.11n Wireless Range Extender

- Complies with IEEE 802.11n, 802.11b/g standards
- 10/100BASE-TX port with passive PoE supported
- Advanced 152-bit WEP, WPA-TKIP(PSK), WPA2-AES(PSK) and 802.1X authentication
- One-touch Wi-Fi Protected Setup (WPS)
- AP(Multi-SSIDs/Client/Repeater/WDS PtP/ WDS PtMP
- 802.1Q VLAN mapping multiple-SSIDs
- WMM and SNMP v1, v2c



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



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



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
- Supports AP controller for wirelessly centralized management



802.11ac Wireless USB Adapter

High-speed 802.11ac Wireless Experience

PLANET WDL-U601AC offers a reliable and cost-effective wireless extension solution. It adopts IEEE 802.11ac technology and is backward compatible with IEEE802.11n, IEEE 802.11b and 802.11g.

- Wi-Fi Protected Setup (WPS) support
- 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
- USB 2.0/1.1 attached interface
- Supports the most popular operating systems including Windows XP, Vista, Win 7, Win 8, Linux, and MAC OS X ready

WDL-U601AC

- 433Mbps 802.11ac MIMO technology
- Selectable dual band provides more flexible connection
- Tiny size, lightweight and portable design
- Easy to encrypt with the WPS button

433
Mbps



Wireless Presentation Gateways

Delivering Smooth Presentations Wirelessly

PLANET wireless presentation gateways are designed based on IEEE 802.11n technology. They are equipped with both VGA and HDMI video output interfaces and one 10/100Mbps Ethernet port for LAN connection. With the hardware decoding capability, PLANET wireless presentation gateways can project high-definition video on the screen and audio through wireless or wired LAN connection. They facilitate multiple users to freely display the presentations, images and videos via wireless connection to a projector or LCD TV without swapping lots of cables.

- IEEE 802.11n, 802.11b/g standard compliant
- High-speed wireless data rate
- Advanced wireless security
- User-friendly Web management interfaces
- Plug and show, audio/video streaming
- 4-to-1 split screen projection
- Web browser management
- Windows XP/Vista/7/8 Mac OS X support
- Multiple users access

WIPG-300H

- Full HD1080p HDMI/VGA output
- 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

1080
FULL
HD

300
Mbps



WPG-210N

- 720p HDMI/VGA output
- 300Mbps 802.11n MIMO technology
- 802.11n Wi-Fi AP and AP-Client mode
- Up to 30fps network screen projection

720p

300
Mbps



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 arrester guarding the wireless equipment from damage that could cause your previous network resources to break down.

Dual-band Antennas

ANT-OM5D
4.5/7dBi (2.4/5GHz) Dual-band
Omni-directional Antenna



2.4G Antennas

ANT-OM8
8dBi Omni-directional Antenna



ANT-FP9
9dBi Flat-Panel Directional Antenna



ANT-YG13
13dBi Yagi Directional Antenna



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



ANT-FP14D
14dBi Flat Panel Dual Polarization
Antenna



ANT-YG20
20dBi Yagi Directional Antenna



ANT-OM15
15dBi Omni-directional Antenna



ANT-FP18
18dBi Flat Panel Directional Antenna



ANT-SE18
12-18dBi Adjustable Sector
Antenna



ANT-GR21
21dBi Grid 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



ANT-SE21A
21dBi Sector Antenna



Accessories

WL-N-10
10m N-male (male pin) to N-female
(female pin) Extension Cable

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



WL-NM-0.6

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 (fe-
male pin) Extension Cable



WL-LTNA

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-SMA-6



36-ch NVR
with 8-bay Hard Disks

H.265

Save More Bandwidth and Storage Space via H.265 Technology

Ideal Solution for High Image Quality

► H.265 Surveillance Series

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 JPEG 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 Fish-eye 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-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-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-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-E6265

- 33x 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

- 1.19 mm 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
- 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



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

Australia/Czech Republic/Denmark/European Union/Georgia/
Hong Kong/Hungary/Ireland/Italy/Jordan/Malta/Mexico/Oman/
Poland/Romania/Russia/Slovakia/South Korea/Spain/Taiwan/
Tanzania/United Kingdom/United States

Intelligent Video Analysis



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

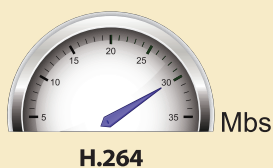


Video Management System



Reduce Bandwidth and Storage Usages by **up to 50%**

H.265 HEVC (High Efficiency Video Coding)



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
- IEEE802.3af standard PoE interface

Exmor
CMOS Sensor



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
- IEEE802.3af standard PoE interface

Exmor
CMOS Sensor



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
- IEEE802.3af standard PoE interface

Exmor
CMOS Sensor



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



PLANET Surveillance Apps for Remotely Monitoring and Control



Apple Store



Google play





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



60
FPS

Exmor RS

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



60
FPS

Exmor RS

ICA-5260V

- Sony Exmor RS progressive CMOS sensor
- Maximum resolution 1920 x 1080 (60fps)
- 20-meter IR LEDs with ICR
- True WDR™, super low lux@0.005
- Intelligent-inside, 3DNR, IPv6, IP66, IK10



60
FPS

Exmor RS

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



V.S



Super Low Lux for Day & Night



True WDR



V.S



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

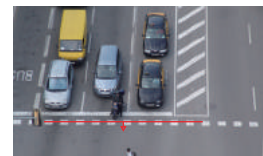


Clear

Face Detection and Cross Line Detection



Face Detection



Cross Line Detection

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/ICA-W8100-CLD

- 0.89 mm 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 (ICA-W8100-CLD)



ICA-8200

- Equipped with 2659 x 1944 pixel 5MP CMOS sensor
- 1.25mm fisheye lens
- Maximum resolution 1440 x 1400 (15fps)
- WDR, 2DNR, ONVIF
- Supports advanced e-PTZ function



ICA-W8200

- Equipped with 2659 x 1944 pixel 5MP CMOS sensor
- 1.25mm fisheye lens
- Maximum resolution 1440 x 1400 (15fps)
- WDR, 2DNR, ONVIF
- Supports advanced e-PTZ function
- IEEE 802.11n wireless LAN compliant (ICA-W8200)



ICA-8350

- Sony Exmor progressive CMOS sensor
- 1.25 mm fisheye lens
- Maximum resolution 1536 x 1536 (22fps)
- WDR, 3DNR, IPv6, ONVIF
- IP66



ICA-8500

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



ICA-W8500

- Equipped with 2659 x 1944 pixel 5MP CMOS sensor
- 1.05 mm fisheye lens
- Maximum resolution 1920 x 1920 (15fps)
- WDR, 2DNR, ONVIF
- Supports advanced e-PTZ function
- IEEE 802.11n wireless LAN compliant (ICA-W8500)



Fisheye IP Camera

Panoramic Camera for Wide View Surveillance



360° Source View



360° Source View with 3 ROI



180° Triple View with 2 PTZ

Ultra-Mini 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-3110

- 2.8mm board lens
- Maximum resolution 1280 x 800 (30fps)
- 5-meter IR LEDs
- 2-way audio function

720P
HD



ICA-4130S

- SIP 2.0 (RFC3261) compliant
- 3.6mm board lens
- Maximum resolution 1280 x 960 (30fps)
- Tamper detection for unauthorized changes
- Supports advanced e-PTZ function

720P
HD

SIP



ICA-4200

- 3.6mm board lens
- Maximum resolution 1920 x 1080 (30fps)

1080
FULL
HD



ICA-5150

- 3.6mm board lens
- Maximum resolution 1280 x 1024 (30fps)
- IP66, IK10

720P
HD



PTZ Dome IP Cameras

- Simultaneous multi-stream support
- 2-way audio function
- Digital Input and Output for integration with sensors and alarms
- ONVIF compliant
- Supports both IPv6 and IPv4 protocols
- PLANET DDNS and easy DDNS

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)



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+

Exmor
CMOS Sensor



Dome IP Cameras

- Simultaneous multi-stream support
- Compliant with IEEE 802.3af PoE interface for flexible deployment
- ONVIF compliant
- PLANET DDNS and easy DDNS
- Easily-recessed mount design

ICA-4150

- 3.6mm board lens
- Maximum resolution 1280 x 720 (30fps)
- 20-meter IR LEDs with ICR
- WDR, 2DNR, IP66



ICA-4250

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

Exmor
CMOS Sensor



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



ICA-4500V

- 3.3~12mm vari-focal, auto-iris lens
- Maximum resolution 2592 x 1944 (15fps)
- 20-meter IR LEDs with ICR
- WDR, 3DNR, IPv6



ICA-5250V

- 3.0~9.0mm vari-focal, auto-iris lens
- Maximum resolution 1920 x 1080 (30fps)
- 20-meter IR LEDs with ICR
- WDR, 3DNR, IPv6
- IP66, IK10



ICA-5550V

- 3.0~9.0mm vari-focal, auto-iris lens
- Maximum resolution 2592 x 1944 (15fps)
- 20-meter IR LEDs with ICR
- WDR, 3DNR, IPv6
- IP66, IK10



ICA-5350V

- 1 / 2.8" Sony Exmor progressive CMOS
- 3.0~9.0mm vari-focal, auto-iris lens
- Maximum resolution 2048 x 1536 (30fps)
- 20-meter IR LEDs with ICR
- WDR, 3DNR, IPv6
- IP66, IK10

Exmor
CMOS Sensor



Box IP Cameras

- Simultaneous H.264, MPEG-4 and M-JPEG video compressions
- Simultaneous multi-stream support
- Compliant with IEEE 802.3af PoE interface for flexible deployment
- Removable IR-cut Filter for Day & Night function
- Supports both IPv6 and IPv4
- RS-485 interface for P/T scanner control
- 2-way audio function
- Micro SD card for local storage
- Digital Input and Output for integration with sensors and alarms
- ONVIF compliant

ICA-HM351

- 4 mm board lens
- Maximum resolution 1920 x 1080 (30fps)
- 35-meter IR LEDs with ICR
- WDR, ICR, 3DNR, IP66
- Industrial design with -30 to 60 degrees C operating temperature



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



Exmor
CMOS Sensor

Bullet IP Cameras

- Simultaneous H.264, MPEG-4 and M-JPEG video compressions
- Simultaneous multi-stream support
- Compliant with IEEE 802.3af PoE interface for flexible deployment
- Removable IR-cut filter for Day & Night function
- RS-485 interface for P/T scanner control
- 2-way audio function
- Digital Input and Output for integration with sensors and alarms
- IP66 resistance certified
- ONVIF compliant

ICA-3150

- 3.6 mm board lens
- Maximum resolution 1280 x 720 (30fps)
- 25-meter IR LEDs with ICR
- WDR, 2DNR, ONVIF
- Cable management



ICA-3250

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

Exmor
CMOS Sensor



ICA-HM312

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



ICA-3250V

- 3.0~10.5mm vari-focal, auto-iris lens
- Maximum resolution 1920 x 1080 (30fps)
- 25-meter IR LEDs with ICR
- WDR, 3DNR, IPv6
- Cable management



ICA-W3250V

- 3.0~10.5mm vari-focal, auto-iris lens
- Maximum resolution 1920 x 1080 (30fps)
- 25-meter IR LEDs with ICR
- WDR, 3DNR, IPv6
- Cable management
- IEEE 802.11n wireless LAN compliant



ICA-3550V

- 3.0~10.5mm vari-focal, auto-iris lens
- Maximum resolution 2592 x 1944 (15fps)
- 25-meter IR LEDs with ICR
- WDR, 3DNR, IPv6
- Cable management





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 M-JPEG, 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 7/24
- 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 55 Mbps
- 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 100 Mbps
- 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 48 Mbps
- 2 x SATA HDD with e-SATA
- HDMI and VGA local display



NVR-1615

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



Internet Video Server

- Simultaneous H.264, MPEG-4 and M-JPEG video compressions
- Maximum resolution 704 x 576 (30fps)
- Simultaneous multi-stream support
- Supports both IPv6 and IPv4 protocols
- RS-485 interface for P/T scanner control
- Digital Input and Output for integration with sensors and alarms
- Micro SD card for local storage
- 2-way audio function
- ONVIF compliant

IVS-H125P

- Compliant with IEEE 802.3af PoE interface
- 12V DC/400mA to analog camera through power jack



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 20 Mbps
- 4-ch BNC connectors and 1 x SATA HDD
- 1280 x 720 HDMI and VGA local display



HDVR-830

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



HDVR-1630

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



AHD Cameras

Model	CAM-AHD325	CAM-AHD425
Product Image	 	 
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 Phones
- IP PBX
- Voice Gateway
- ATAs



Office Staff

► VIP-1120PT



Manager Secretary

► VIP-2140PT **Gigabit**



Reception Operator

► VIP-5060PT **Gigabit**



Video Conferencing

► ICF-1800 **Gigabit**



Meeting Room Conferencing

► VIP-8030NT **Gigabit**



SIP Door Phone

► HDP-5260PT

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.



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 IP phones help businesses build high-performance VoIP communications at a low cost. PLANET IP phone systems that carry both voice and data benefit enterprises of all kinds in that they can be expanded to new locations. More importantly, money can be saved on long-distance calls. Features like PoE, non-PoE, wireless, video phone, etc. can be chosen by customers.

- SIP 2.0 (RFC3261), STUN (RFC3489) compliant
- 3-way conferencing, caller ID, speed dial
- Call waiting, transfer, forward, call hold, mute
- Message waiting indicator (MWI)
- Auto-provisioning, QoS, do not disturb (DND)
- Voice activity detection (VAD), comfort noise generation (CNG)
- Acoustic echo canceller (AEC), G.165: line echo canceller (LEC)
- Adaptive jitter buffer (AJB), automatic gain control (AGC)
- Voice codec: G.711, G.729, G.723, G.726, G.722, G.721

VIP-1120PT

- 2.4-inch color LCD monitor
- 2-line key with color LED
- 2 SIP identities with color LED
- Wideband G.722 HD audio
- Power over Ethernet (PoE) compliant
- QoS, TR069, auto-provisioning and multi-languages



VIP-2140PT

- 2.8-inch (main) and 2.4-inch (DSS) key-mapping LCD monitor
- 30 configurable and 6 multicolored LED keys
- IETF SIP compliant with 4 identities/accounts
- Wideband G7.22 HD audio with Handset and Hands-free function
- Gigabit switch and IEEE 802.3af/at PoE compliant
- VPN, VLAN, QoS, TR069, auto-provisioning and multi-language



ICF-1800

- Dual Gigabit Ethernet and HD voice: HD codec, HD handset, HD speaker
- Built-in Android 4.2 OS, SIP2.0 (RFC3261) and correlative RFCs
- Video codec: H.264, H.263 and Voice codec: G.711, G.723, G.729
- 6 VoIP accounts, video/voice call and door phone/IP camera application
- Paging, intercom and video/photo/wallpaper/ringtone manager
- 802.1p/Q tagging (VLAN), Layer 3 ToS, and DSCP



VIP-6040PT

- Gigabit Ethernet with PoE
- 3.5-inch color screen
- HD voice
- 5-way conferencing
- 14 programmable keys
- Black list XML, LDAP phonebook
- Screen sleep, photo caller ID



VIP-EXT-40

- 3.5-inch color LCD
- 20 programmable keys each with a dual-color LED
- Daisy-chain 6 modules for up to 240 DSS keys
- 2 control keys for fast switch pages
- Rich features, each with a different icon
- Compatible with PLANET VIP-6040PT



For VIP-6040PT



VIP-5060PT

- Supports IAX2 and IAX2 line call
- Supports six SIP voice lines
- Supports HD voice
- XML phonebook, browser
- Supports SRTP and Busy Lamp Field (BLF)
- Up to 5 extension consoles; max. 130 definable keys



VIP-2020PT

- Supports IAX2 and IAX2 line call
- Supports two SIP voice lines
- Supports HD voice
- XML phonebook, browser
- Supports SRTP and Busy Lamp Field (BLF)
- Up to 5 extension consoles; max. 130 definable keys



VIP-EXT-26

- 26 programmable buttons per module
- Supports Busy Lamp Field (BLF)
- Dual color LED for status indication
- Speed dial for each line
- 5 daisy-chain modules for 130 programmable buttons
- Conference, call transfer, forward, pickup
- Compatible with PLANET VIP-2020PT and VIP-5060PT business pro IP phones



For VIP-5060PT / VIP-2020PT



VIP-1010PT

- 2.6-inch screen
- HD voice
- 1 line
- XML, LDAP phonebook
- Broadsoft, XML, LDAP phonebook
- 10 programmable keys



VIP-1000PT/VIP-1000T

- Cost-effective, full-featured voice over IP phone
- 802.3af Power over Ethernet support (VIP-1000PT)
- SIP 2.0 (RFC3261) compliant
- G.711, G.729A/AB and G.723 voice codec
- Supports HD voice (G.722), 3-way conferencing
- Supports QoS, TR-069 and SNMP



VIP-8030NT

- Supports 3 SIP voice lines
- Supports HD voice
- 128 x 64 pixel LCD display with ivory backlight
- 3-way conferencing
- Echo cancellation, hi-fi technology of wideband voice communication
- Connection type for add-on microphones and a larger recording range



SIP Door Phones

PLANET SIP Door Phone with PoE feature supports H.264/MJPEG compression formats and delivers excellent picture quality in 720p HD resolutions at 20 frames per second (fps). The door phone has night vision that you can see short distances in low light. It provides the flexibility and control required for high-quality property complex visitor management, property protection, intercom, and message service.

HDP-1100PT

- Compact-size camera intercom for non-invasive appearance
- SIP 2.0 and 802.3af PoE compliant
- Acoustic Echo Cancellation on speaker path
- App and control pad alerts for any situation
- Security check before entry
- Remotely unlock the door for visitors



HDP-5240PT

- 720p HD camera with infrared light and night vision
- G.722 coding produces clearer HD voice quality
- Compatible with IEEE 802.3af/at PoE
- Control Communication and Security over Internet
- Unlock the door with an RFID, Remote DTMF or Local Password
- Compatible with the Asterisk SIP IP PBX systems or various platforms



HDP-5260PT

- 720p camera has high-performance HD video
- G.722 coding produces clearer HD voice quality
- IP65 rating and IK10 rating
- Supports the most popular and compatible standard SIP protocol
- Supports video intercom, door phone and single device paging
- Access control by IP phone, DTMF code and RFID card



SIP IP Camera

PLANET SIP IP Camera Series is designed for easy installation with versatile functions. The camera features a megapixel sensor and supports H.264, MPEG-4, and M-JPEG compression formats to deliver excellent picture quality for different applications. Integrated with SIP/VoIP protocol, PLANET SIP IP Camera Series provides more aggressive and efficient solution to dealing with event triggers via video phone. It is perfect for remote and discreet monitoring of indoor areas such as homes, small businesses, boutiques, stores, offices, communities, restaurants, hotels, residences, health care facilities, etc.

ICA-4130S HD SIP Camera

- SIP 2.0 (RFC3261) compliant
- 2.5/1" progressive scan CMOS sensor
- H.264, MPEG-4 and M-JPEG can be compressed simultaneously
- IEEE 802.3af standard PoE interface
- Supports advanced e-PTZ function



IP PBXs

PLANET provides a total IP PBX solution to its customers. For example, UMG Series is a total IT solution for small and medium businesses (SMBs). The IPX-1980 (8 x FXO) and IPX-1800N (4 x ISDN) are both fully functional IP PBXs, and MCU (Multipoint Control Unit) Series can support not only communication but also up to 4-/9-frame video conferencing screen.

- IETF SIP (RFC 3261) and Asterisk compliant
- 3-way conferencing, speed dial
- Call waiting, transfer, forward, call hold, mute
- Voice activity detection (VAD), comfort noise generation (CNG)
- G.165: line echo canceller (LEC), adaptive jitter buffer (AJB)
- Voice codec: G.711, G.729, G.723

IPX-330

- 15 concurrent calls and up to 30 registers
- Multiple language IVS and System Prompt
- Call Record, Paging, Intercom, Video Call and Voicemail
- T.38, LDAP, TR069, IPv6, SNMPv2, VPN and HTTPS Security



IPX-2100

- 30 concurrent calls and up to 100 registers
- HD voice codec G.722 for perfect voice quality
- Fax to Email, Email to Fax for Green Office
- BLF (Busy Lamp Field)
- Call paging and intercom
- IVR (Interactive Voice Responses)



IPX-2200

- IETF SIP (RFC 3261) and Asterisk compliant
- 60 concurrent calls and up to 200 registers
- Multiple language IVS and System Prompt
- Call Record, Paging, Intercom, Video Call and Voicemail
- T.38, LDAP, TR069, IPv6, SNMPv2, VPN and HTTPS Security
- Supports maximum 8 ports (on 2 slots)



IPX-2500

- SIP 2.0 (RFC3261 compliant)
- 500 registrations, 80 concurrent calls
- Supports maximum 8 ports (on 2 slots)
- Multi-language, call record
- Dual Gigabit Ethernet
- Hardware echo cancellation



IPX-21SL/IPX-21FO

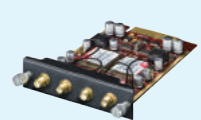
- 4 standard two-wire, RJ11 interfaces
- Up to 4 ports for 4 POTS lines
- Loop start signaling for advanced features: caller ID and distinctive ring



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

IPX-21GS

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



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

High Performance Asterisk-based IP PBX

30
user registrations

IPX-330

SOHO (30 people)

100
user registrations

IPX-2100

SMB (100 people)

200
user registrations

IPX-2200

SME (200 people)

500
user registrations

IPX-2500

Enterprise (500 people)

LAN Switches

Industrial Ethernet

Power over Ethernet

Media Conversion

Broadband Communication

Wireless LAN

IP Surveillance

IP Telephony

Network Security

Network Peripheral

Home Automation

87

IP Paging

VPA-100

SIP Public Announcement Adapter with PoE

- Compatible with SIP (RFC3261) and most modern IP PBX systems
- Compliant with IEEE 802.3af PoE interface for flexible deployment
- Paging and intercom function strengthens work efficiency
- Four digital output ports to turn on/off alarm light, door locker, etc
- Acoustic echo cancellation and noise suppression
- Remote control digital output via Web UI and phone key



SIP VoIP Gateways

PLANET VoIP Gateway series is fully an SIP and H.323 standard compliant residential gateway that provides a total solution to integrating voice-data network and the Public Switched Telephone Network (PSTN). It not only provides high-quality voice communications, but also secure, reliable Internet sharing capabilities for daily voice and Internet communications.

- SIP 2.0 (RFC3261), STUN (RFC3489) compliant
- 3-way conferencing, speed dial
- Call waiting, transfer, forward, call hold, mute
- Auto-provisioning, QoS
- Voice activity detection (VAD), comfort noise generation (CNG)
- G.165: line echo canceller (LEC), adaptive jitter buffer (AJB)
- Voice codec : G.711, G.729, G.723
- NAT router, DHCP server, virtual server

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

- Supports SIP 2.0 (RFC3261)
- Supports IPv6 and IPv4 simultaneously
- Up to 4 SIP service domains and Caller ID
- Supports auto HTTP provision and fax feature
- Flexible routes plan, dial plan and SIP trunk
- Supports firewall, URL, IP, MAC, port filter
- Life-line for emergency calls (VGW-402)



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

- SIP 2.0 (RFC3261 compliant)
- IPv6 and IPv4 compliant
- Up to 24 SIP service domains and Caller ID
- Supports auto HTTP provision and fax feature
- Flexible routes plan, dial plan and SIP trunk
- Life-line for emergency calls (VGW-804)



VIP-2100/VIP-2400 E1/T1 Internet Telephony Trunk Gateway

- Built-in calling destination and prefix routing for SIP and H.323 P2P calls
- Mixed SIP, gatekeeper and P2P voice calls
- VoIP to VoIP call conversion - SIP to H.323, SIP to SIP, H.323 to H.323
- Intelligent PSTN call routing and in-trunk hunting
- External RADIUS authentication, authorization and accounting
- Built-in IVR and call-flow controller for PSTN, VoIP calls
- CDR (Call Detail Record) support



ATAs

Based on years of VoIP manufacturing experiences, PLANET VoIP total solutions are known for advanced implementation of standard based telephony with mass deployment capability. With cost-effective, easy-to-install and simple-to-use features, PLANET ATAs convert standard telephones to IP-based network communication. It supports service providers and enterprises to enhance the traditional telephony communication services via the existing broadband connection to the Internet or corporation network.

- SIP 2.0 (RFC3261), STUN (RFC3489) compliant
- 3-way conferencing, caller ID, speed dial
- Call waiting, transfer, forward, call hold, mute
- Auto-provisioning, QoS, do not disturb (DND)
- T.38 fax relay, G.711 fax pass-through
- Voice activity detection (VAD), comfort noise generation (CNG)
- Acoustic echo canceller (AEC), G.165: line echo canceller (LEC)
- Adaptive jitter buffer (AJB), automatic gain control (AGC)
- Voice codec: G.711, G.729, G.723, G.726

VIP-156/VIP-156PE

- 1 x WAN, 1 x LAN, 1 x FXS
- Up to 3 service domains
- IPv6 management support
- TR-069, VPN connection, VLAN
- IEEE 802.3af PoE compliant (VIP-156PE)



VIP-157S

- 1 x WAN, 1 x LAN, 2 x FXS
- Up to 3 service domains
- IPv6 management support
- TR-069, VPN connection, VLAN
- 2 concurrent VoIP calls



SKG-300 Skype Devices

- Call waiting, 3-way conferencing
- Voice recording, voice message
- Auto-detection of incoming PSTN or VoIP calls
- One handset for PSTN and internet calls
- Utility management



Unified Office Gateway & MCUs

UMG-1000

- 100 register extensions
- 30 concurrent calls
- 4-port FXO IP PBX
- SSL, PPTP VPN, SPI firewall
- URL, IM, P2P blocking
- POP3, SMTP, IMAP, webmail
- Anti-virus and anti-spam
- FTP and network storage



MCU-1400/MCU-1900

- Up to 4-/9-frame video conferencing screen
- Up to 20 and 60 voice participants
- H.263, H.263p, MPEG-4 compression formats
- Video, voice conferencing service
- Call detailed record (CDR)
- Asterisk compatible IP PBX
- IP surveillance hosting service



SIP VoIP Wireless Routers

VIP-462DG

- DECT & GAP compatible
- Base can register up to 5 handsets
- Built-in NAT firewall, DoS protection
- PSTN life-line for emergency calls
- IEEE 802.11g wireless LAN compliant



EPN-402NV

- 1.25Gbps GE-PON fiber interface, maximum distance up to 20km
- 300Mbps 802.11n wireless connectivity
- 2 FXS ports can be easily integrated with general Voice over IP system
- 802.1Q VLAN and IGMP proxy for IPTV applications
- Supports IPv6/IPv4 dual stack network, NAT, DMZ and virtual host





PLANET Network Security Solution

Build Your Total Safety Network



» CS-2001



- ▶ UTM Content Security Gateway
- ▶ Multi-Homing Security Gateway

- ▶ Internet Fiber Router
- ▶ Broadband VPN Router

UTM Content Security Gateway



The new generation of CS-2001, PLANET UTM Content Security Gateway, a specially designed security gateway, can adopt Heuristics Analysis to filter spam and virus-affected mail, and the auto-training system can raise identified rate of spam. The anti-virus application supports double virus scan engines - Clam and Sophos which can detect viruses, worms and other threats from transferring e-mail and Internet network. It also daily, weekly, monthly and yearly provides the mail report and helps the administrators monitor the mail status easily.

Moreover, the IDP and firewall functions can defend hackers and blaster attacks from Internet or Intranet. The complete function in one device can provide security solutions and the secure environment better than ever.



Dos, Anti-attack



QoS

CS-2001

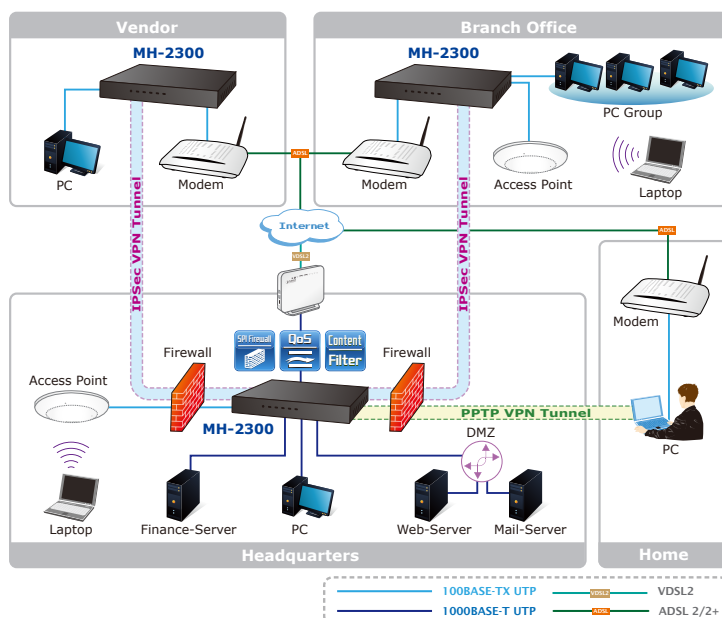
- Anti-virus and anti-spam for mail security support
- Spam mail learning system
- IDP
- SPI firewall
- IPSec, PPTP, SSL VPN
- 1000 IPSec tunnels
- QoS
- Outbound and inbound load balancing
- High availability

The CS-2001 not only supports the full security features, such as Content Blocking to block specific URL, Scripts, IM/P2P program, Authentication, IPSec, PPTP VPN server/Client, QoS, etc., but also provides higher performance. The multiple WAN access for CS-2001 provides more reliable Internet service and load sharing, which support outbound load balancing and WAN failover feature. Furthermore, the VPN Trunk provides VPN fail-over and load balancing features, which can offer a VPN redundant mechanism to keep the VPN connection being online.

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 flexibility fulfill the network requirement nowadays, and the multiple WAN interfaces enable the MH-2300 to support outbound load balancing and WAN fail-over features. 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.

XRT-401F

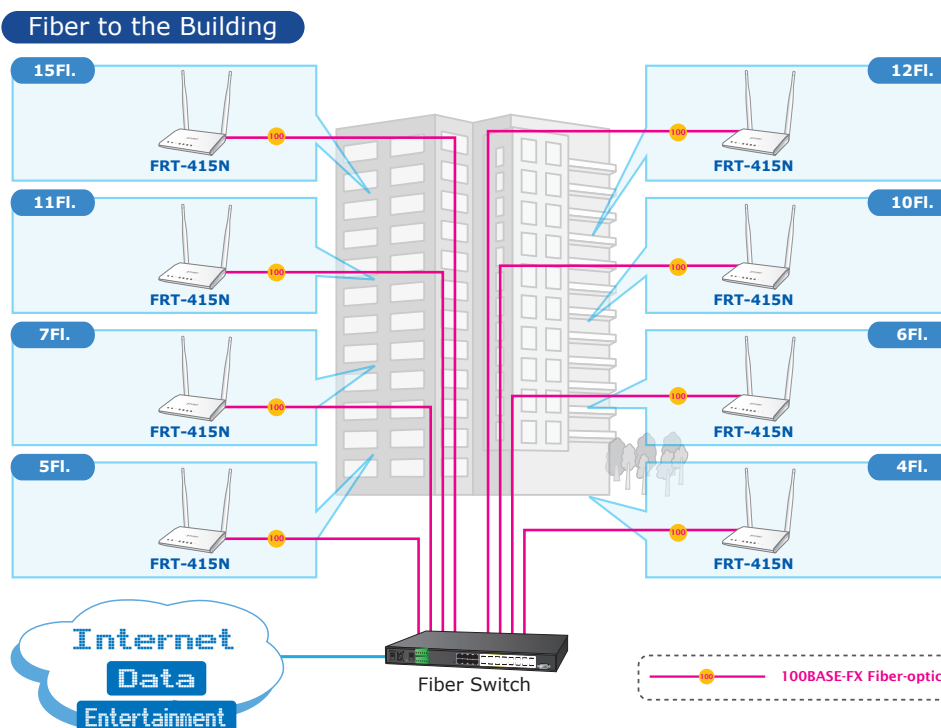
- Virtual server and DMZ
- DHCP server
- Remote management
- UPnP support
- Stateful packet inspection firewall for DoS attacks
- URL filtering and access control

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
- TR-069 support





Easily Control Servers with Flexibility

► KVM-210 Series





KVM

PLANET enterprise KVM Switches features 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 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 KVM supports the PS/2 keyboard port of code set 1/2/3 and further allows you to use the KVM for all kinds of servers, computers or their combination.

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



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

- 17" 8/16-Port Combo 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



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)



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

- 17" 8/16-Port Combo 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)



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

- 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

- 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

- 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

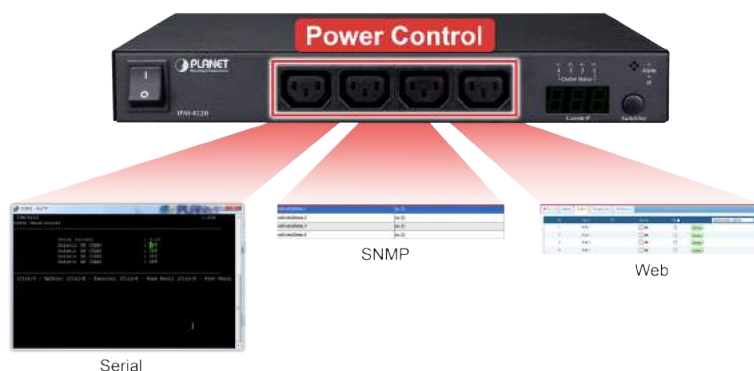


IPM-16120

- 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



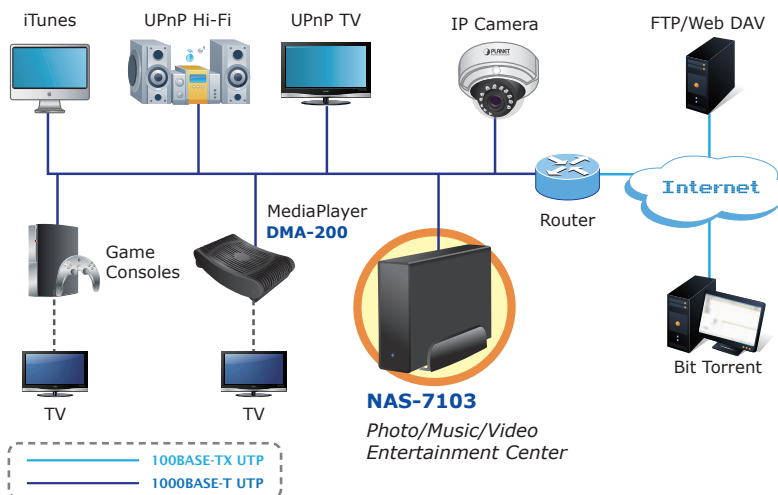
Network Attached Storage

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



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
- Assign video sources to any monitors of the video wall
- Support USB for KVM PC control



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



IHD-200PT/IHD-200PR

- Ultra high-quality 1080p video transmitter
- Assigns video sources to any monitor of the Video wall
- Extends high-definition video signal over Gigabit LAN and IGMP
- Supports EDID, HDCP, Blu-ray and DTS
- Complies with IEEE 802.3af Power over Ethernet



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
Media Interface		SFP	1 x SFP+ (SFF-8431)	RJ45
BootROM Socket		-	-	-
Wake on LAN		-	-	-
OS Support	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

- 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 galley
- BitTorrent downloading



ITB-3001

- 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 rev2.0
- 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 Control

via controller at home and app away from 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



HTS-1000P

10-inch Touch Screen Home Automation Controller

- Integrates control gateway and door phone with one control pad
- Simple graphical interface to control house
- Able to look up information like weather
- Real-time image monitoring of home cameras
- 24-hour emergency monitoring
- Compliant with IEEE 802.3af PoE, 802.11b/g/n wireless



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.



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

- Dual Gigabit Ethernet and HD voice: HD codec, HD handset, HD speaker
- Built-in Android 4.2 OS, SIP2.0 (RFC3261) and correlative RFCs
- Video codec: H.264, H.263 and Voice codec: G.711, G.723, G.729
- 6 VoIP accounts, video/voice call and door phone/IP camera application
- Paging, intercom and video/photo/wallpaper/ringtone manager
- 802.1p/Q tagging (VLAN), Layer 3 ToS, and DSCP



SIP Door Phones

HDP-5240PT

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

- 720p HD camera with infrared light and night vision
- G.722 coding produces clearer HD voice quality
- Compatible with IEEE 802.3af/at PoE
- Control Communication and Security over Internet
- Unlock the door with an RFID, Remote DTMF or Local Password
- Compatible with the Asterisk SIP IP PBX systems or various platforms



HDP-5260PT

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

- 720p camera has high-performance HD video
- G.722 coding produces clearer HD voice quality
- IP65 rating and IK10 rating
- Supports the most popular and compatible standard SIP protocol
- Supports video intercom, door phone and single device paging
- Access control by IP phone, DTMF code and RFID card



HDP-1100PT

720p SIP Door Phone with PoE

- App and control pad alerts for any situation
- Conveniently unlock the door for visitors
- 720p HD with six white LEDs provides clear image
- Compatible with SIP 2.0 and most modern IP PBX systems
- Compliant with IEEE 802.3af PoE, Acoustic Echo Cancellation



TAIWAN
EXCELLENCE
2016



Cloud Bell App



Remotely Monitoring and Control

Z-Wave 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



International Recognitions

2017 Taiwan Excellence Award



H.265 IP Surveillance Solution



L2+ Centralized Wireless APs Management Solution with 802.3at PoE Intelligent Functions



Industrial L2+ 24-Port Gigabit 802.3at PoE + 4-Port shared Gigabit Fiber Managed Switch



Renewable Energy 802.3at PoE Managed Switch



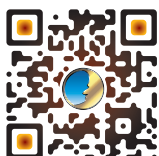
Industrial 20G Fiber Managed Switches

Worldwide Awards



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G		ICA-3260	76	IPOE-162S	37	SGS-5220-24T2X	7	WNAP-C3220A	68
GS-4210-16P4C	8	ICA-3550V	80	IPOE-171	21	SGS-6340-24P4S	4	WNAP-W2201A	65
GS-4210-16P4C	30	ICA-4130S	78	IPOE-171	39	SGS-6340-24P4S	28	WNAP-W2201A	68
GS-4210-16T2S	8	ICA-4130S	86	IPOE-171S	21	SGS-6340-24T4S	4	WNRT-300	67
GS-4210-16UP4C	38	ICA-4150	79	IPOE-171S	21	SGS-6340-48T4S	4	WNRT-617G	67
GS-4210-16UP4C/ GS-4210-24UP4C	30	ICA-4200	78	IPOE-171S	39	SGS-6341-24P4X	4	WNRT-633	67
GS-4210-24P2S	8	ICA-4200V	79	IPOE-E174	17	SGS-6341-24P4X	28	WPG-210N	69
GS-4210-24P2S	30	ICA-4210P	76	IPOE-E174	39	SGS-6341-24T4X	4	WRE-1200	68
GS-4210-24P4C/ GS-4210-24PL4C	8	ICA-4250	79	IPOE-E202	18	SGSW-24040HP	7	X	
GS-4210-24P4C/ GS-4210-24PL4C	30	ICA-4500V	79	IPOE-E202	36	SGSW-24040P4	7	XGS3-24042	3
GS-4210-24T2S	8	ICA-5150	78	IPX-2100	87	SKG-300	89	XGS3-24242	3
GS-4210-24UP4C	38	ICA-5250V	79	IPX-2100	87	SW-504/SW-804	11	XGS3-42000R	3
GS-4210-48P4S	30	ICA-5260V	76	IPX-2500	87	U		XGSW-28040HP	29
GS-4210-48T4S	8	ICA-5350V	79	IPX-330	87	UMG-1000	89	XRT-401F	92
GS-4210-8P2S	9	ICA-8200	77	IPX-330	87	UPOE-1600G	38		
GS-4210-8P2S	30	ICA-8350	77	ISW-501T	15	UPOE-2400G	38		
GS-4210-8P2T2S	9	ICA-8500	77	ISW-504PS	17	UPOE-800G	38		
GS-4210-8P2T2S	30	ICA-E3550V	73	ISW-504PT	17	V			
GS-5220-16S8C/ GS-5220-16S8CR	6	ICA-E5550V	73	ISW-511T/ISW-511TS15	15	VC-201A	50		
GS-5220-16UP4S2X	38	ICA-E6260	73	ISW-514PS/ISW-514PS15	17	VC-201A	57		
		ICA-E6265	73	ISW-514PSF	17	VC-202A	50		
		ICA-E8550	73	ISW-514PT/ISW-514PT15	17				
		ICA-HM312	80	ISW-514PTF	17				



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