

- ✓ Static Routing
- ✓ OSPF
- ✓ RIP

Layer 3 Enterprise Stackable Switches

► SGS-6340 / SGS-6341 Series



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



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



SGS-6341-48T4X
52-Port High Density



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



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



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

LAN Switches

IPv4 and IPv6 Hardware Layer 3 Static Routing

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



User-friendly Management with Unique LCD Touch Screen

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



Efficient Single IP Management

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



Various Solutions and Flexible Deployments for All Kinds of Environments

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

Layer 3 Managed Chassis Switches

XGS3 Chassis



IPv6/IPv4
Routing

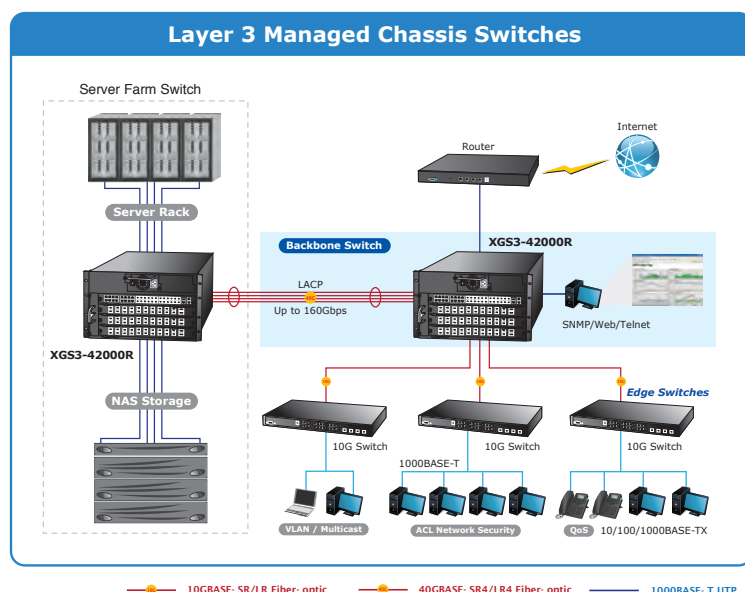
Stackable

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

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

XGS3-42000R

- 160-port 10/100/1000BASE-T copper
 - 156 1000BASE-SX/LX SFP fiber slots
 - 60 10G XFP fiber slots
 - 6 40G QSFP+ fiber slots
 - 19-inch, 6U rack-mount
-
- Gigabit wire-speed Layer 3 IPv4 and IPv6 routing
 - Four slots for optional Gigabit/10 Gigabit modules
 - IP routing protocols: static routing, RIPv1/v2, OSPFv2, BGP4 & VRRP
 - IP multicast routing: IGMP, PIM-DM/SM, DVMRP
 - IEEE 802.1Q, Private VLAN and GVRP for VLAN management
 - IEEE 802.1D/1w/1s Spanning Tree Protocol
 - IEEE 802.1x, RADIUS, TACACS+, SSH and SSL
 - L2, L3 and L4 Access Control List and QoS
 - 100~240V AC redundant power system



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

10G Full Layer 3 Managed Switches

XGS3 Series



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:

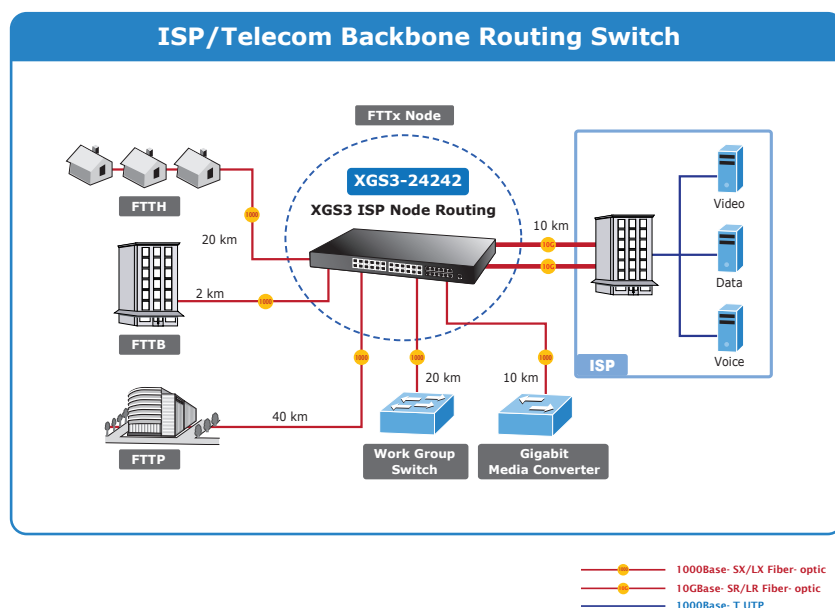
- Hardware-based IPv6/IPv4 high routing performance
- IPv6/IPv4 dual stack management
- 10G Ethernet switching
- Single IP address management
- Redundant power system

XGS3-24042

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

XGS3-24242

- 100/1000BASE-X SFP port x 24
- 10/100/1000BASE-T port x 16 shared with Port-1 to Port-16
- 10GBASE-X SFP+ port x 4
- QSFP+ port x 2 for hardware stacking
- Gigabit wire-speed Layer 3 IPv4 and IPv6 routing
- IP routing protocols: static routing, RIPV1/v2, OSPFv2, BGP4 & VRRP
- IP multicast routing: IGMP, PIM-DM/SM, DVMRP
- IEEE 802.1Q, Private VLAN and GVRP for VLAN management
- L2, L3 and L 4 Access Control List and IEEE 802.1x support
- SNMP v1/v2c/v3 and RMON Group 1, 2, 3, 9
- IP stacking management, up to 24 units
- 100~240V AC and -48V DC redundant power
- 19-inch, 1U rack-mount



Layer 3 Enterprise Stackable Managed Switches

SGS-6340 Series/SGS-6341 Series



L3 RIP
Routing

L3 OSPF
Routing

Cost-effective Layer 3 Routing Solution for Enterprise Intranet Networking

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

Efficient IP Stacking Management

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

- IP Routing protocols: Static Routing, RIPv1/v2 and 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-6340-16XR

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

SGS-6341-48T4X

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

SGS-6340-20S4C4X

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

SGS-6341-24T4X

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

SGS-6341-24P4X

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

SGS-6340-24T4S

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

SGS-6340-24P4S

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

10G Layer 3 Fiber Managed Switches

SGS-6340 Series



Powerful All-port 10Gbps Switch with IP Stacking Management

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

SGS-6340-16XR

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

XGS-5250 Series



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

XGS-5250-12X8CR

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

XGS-6350 Series



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

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

XGS-6350-12X8TR

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



Touch LCD 10G Layer 2+ IPv6 Managed Gigabit Switches



Intuitive LCD for Efficient Management

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

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

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



GS-5220-24T4XV(R)

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

GS-5220-16T2XV(R)

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

PoE Models

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

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

GS-5220-16UP2XV(R)

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

60W

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

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

GS-5220-16P2XV(R)

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

10G Layer 2+ IPv6 Managed Gigabit Switches

GS-5220 Series/XGSW Series



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

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

Multigigabit Layer 2+ IPv6 Managed PoE Switches

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



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

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

GS-5220-16T4S2X(R)

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

GS-5220-20T4C4X(R)

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

GS-5220-48T4X

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

GS-5220-46S2C4X

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

PoE Models

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

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

GS-5220-16UP4S2X(R)

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

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

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

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

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

XGSW-28040HP



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

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

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

MGS-5220-8P2X

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

10G Layer 2+ IPv6 Stackable Managed Gigabit Switches

SGS-5220 Series



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

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

SGS-5220-24T2X

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

SGS-5220-24P2X

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

SGS-5220-24S2XR

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



Layer 2+ IPv6 Managed Metro Switches

MGSW Series



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

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

MGSD-10080F

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

MGSW-24160F

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

MGSW-28240F

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



Layer 2+ IPv6 Managed Gigabit Switches

WGS Series/GS-5220 Series



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

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

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

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

WGSD-10020

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

WGSW-24040/WGSW-24040R

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

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

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

GS-5220-44S4C

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

PoE Models

WGSD-10020HP

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

GS-5220-8P2T2S

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

WGSW-20160HP

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

WGSW-24040HP/WGSW-24040HP4

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

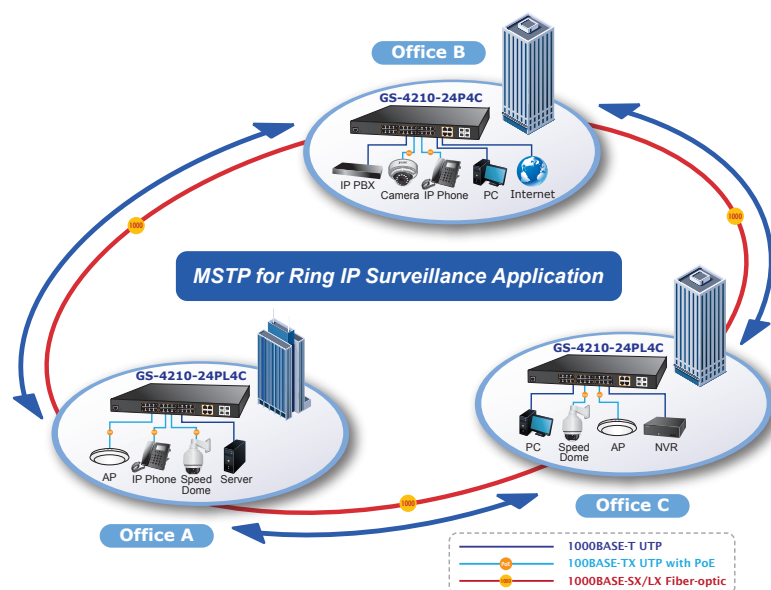
Layer 2/4 IPv4/IPv6 Managed Gigabit Switches

GS-4210 Series



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

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



GS-4210-16T2S

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

GS-4210-24T2S

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

GS-4210-48T4S

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

WGSW-28040

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

PoE Models

GS-4210-16P2S

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

GS-4210-16P4C

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

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

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

GS-4210-24P2S

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

GS-4210-48P4S

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

Layer 2/4 IPv6 Desktop-size Managed Gigabit Switches



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

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

GSD-1020S

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

GSD-1002M

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

PoE Models

GS-4210-8P2S

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

GS-4210-8P2T2S

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

Layer 2 Unmanaged Gigabit Switches

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

GSW-1601

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



GSW-2401

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



GSD-503/GSD-803

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

**GSD-504/GSD-804**

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

**GSD-603F**

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

**GSD-805**

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

**GSD-1603**

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



Layer 2 Unmanaged Fast Ethernet Switches

FSD-503/FSD-803

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

**SW-504/SW-804**

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

**FNSW-1601**

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

**FNSW-2401**

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

