

48-Port 10/100/1000T Gigabit Ethernet Switch



Cost-effective Gigabit Solution for Enterprise Backbone and Data Center Networking

PLANET GSW-4800 Gigabit Ethernet Switch provides 48 RJ45 10/100/1000Mbps ports for high-speed network connectivity. It can automatically identify and determine the correct transmission speed and half/full duplex mode of the attached devices with its 48 Gigabit ports that support 10K jumbo frame feature. Therefore, the GSW-4800 can handle an extremely large amount of data transmission in a secure topology linking to a backbone or high-power servers.

High-performance Store-and-Forward Switch

The GSW-4800 provides a high-performance switch architecture that is capable of providing the non-blocking switch fabric and wire-speed throughput as high as 96Gbps, which greatly simplifies the tasks of upgrading the LAN for catering to increasing bandwidth demands.

All RJ45 copper interfaces in the GSW-4800 support 10/100/1000Mbps auto-negotiation for optimal speed detection through RJ45 Category 6, 5 or 5e cables. It also supports auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight-through or crossover cables.

Excellent Traffic Transmission

The GSW-4800 supports a Store-and-Forward forwarding scheme to ensure low latency and high data integrity, which eliminates unnecessary traffic and relieves congestion on critical network paths. With an intelligent address recognition algorithm, the GSW-4800 recognizes up to 16K different MAC addresses. The high data throughput and 96Gbps internal switching fabric make it ideal for most Gigabit network environments, especially helpful for upgrading network to a Gigabit environment.

Fanless Design

The GSW-4800 successfully reduces substantial power consumption with the fanless and noiseless design collocating with the effective cooler. Therefore, the GSW-4800 is able to operate stably and quietly in any environment without affecting its performance.



100-240V
AC Power Socket

Earth Grounding

Physical Port

- 48 10/100/1000BASE-T Gigabit Ethernet ports
- Supports auto MDI/MDI-X function

Layer 2 Features

- Complies with IEEE 802.3, 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T Ethernet standards
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- Integrated address look-up engine, supporting 16K absolute MAC addresses
- 10K jumbo packet support
- IEEE 802.1Q VLAN packet transparency support
- Hardware based 10/100BASE-TX, half/full duplex and 1000BASE-T full duplex mode; auto-negotiation
- Automatic address learning and address aging
- Supports CSMA/CD Protocol

Hardware Features

- 19-inch size, 1U height
- 100~240V AC, 1.0A, 50~60Hz universal power input
- FCC, CE Class A compliant
- Fanless design

Applications

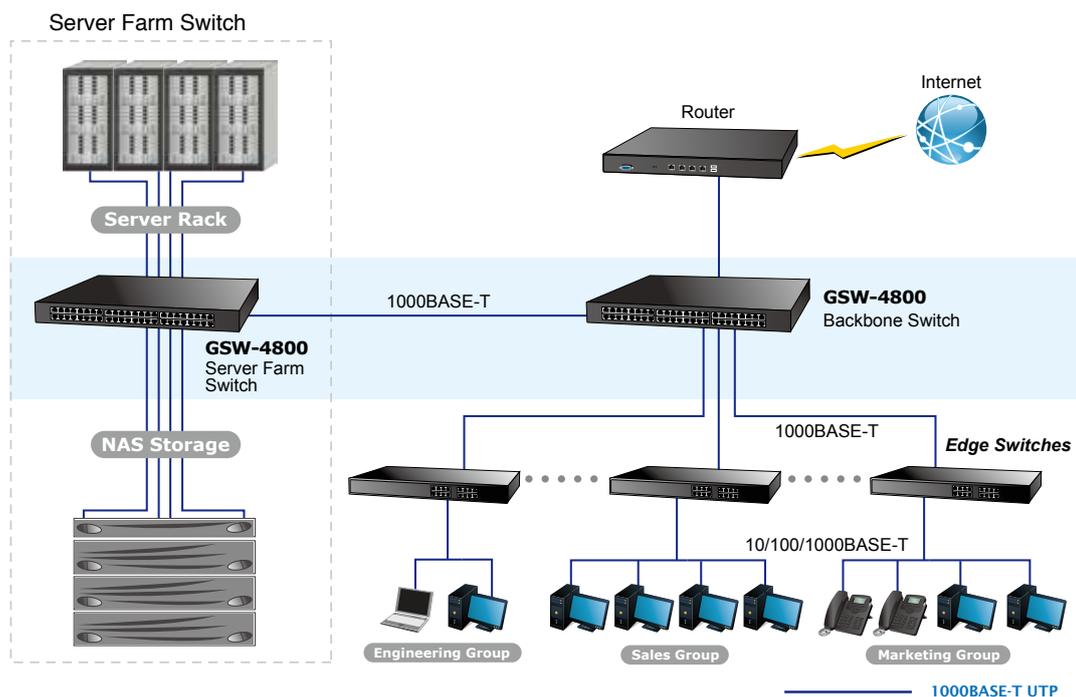
Backbone Switch

With up to 96 Gigabits per second of non-blocking switch fabric, the GSW-4800 can easily provide high bandwidth for both today's and future requirements.



Server Farm Switch

Providing 48 Gigabit Ethernet ports, the GSW-4800 is ideal to be used as a server farm switch connecting to your servers and powerful desktops.



Specifications

Product	GSW-4800	
Hardware Specifications		
Interfaces	48 10/100/1000BASE-T MDI/MDI-X Ports	
Switch Architecture	Store-and-Forward	
Switch Fabric	96Gbps	
Throughput (packet per second) @64bytes	71.4Mpps	
MAC Address Table	16K entries	
Jumbo Packet Size	10K	
LED	System: Power (Green) 10/100/1000T RJ45 Interfaces 1000 LNK/ACT (Green), 10/100 LNK/ACT (Orange)	
Dimensions (W x D x H)	440 x 220 x 44 mm, 1U height	
Enclosure	Metal	
Weight	3.4kg	
Power Requirements	100~240V AC, 50-60Hz, 1A,	
Power Consumption/Dissipation	31.7 watts/108 BTU	
Standards Conformance		
Regulatory Compliance	FCC Part 15 Class A, CE	
Standards Compliance	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit Ethernet)	
Environment		
Operating	Temperature:	0 ~ 50 degrees C
	Relative Humidity:	5 ~ 95% (non-condensing)
Storage	Temperature:	-10 ~ 70 degrees C
	Relative Humidity:	5 ~ 95% (non-condensing)

Ordering Information

GSW-4800	48-Port 10/100/1000T Gigabit Ethernet Switch
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Related Products

GSW-1601	16-Port 10/100/1000T Gigabit Ethernet Switch
GSW-2401	24-Port 10/100/1000T Gigabit Ethernet Switch