

16-Port 10/100/1000BASE-T Gigabit Ethernet Switch



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

PLANET GSW-1601 Gigabit Ethernet Switch provides 16 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 16 Gigabit ports that support 10K jumbo frame feature. Therefore, the GSW-1601 can handle extremely large amounts of data transmission in a secure topology linking to a backbone or high-power servers.

High Performance

The GSW-1601 provides a high-performance switch architecture that is capable of providing the non-blocking switch fabric and wire-speed throughput as high as 32Gbps, which greatly simplifies the tasks of upgrading the LAN for catering to increasing bandwidth demands. Besides, the Flow Control function of the GSW-1601 enables routers and servers to directly connect to the Switch for fast and reliable data transfer.

All the RJ45 copper interfaces of the GSW-1601 support 10/100/1000Mbps auto-negotiation for optimal speed detection through RJ45 Category 6, 5 or 5e cables. It also supports standard for auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight or crossover cables.

Excellent Traffic Transmission

The GSW-1601 supports 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-1601 recognizes up to 8K different MAC addresses. The high data throughput and 32Gbps internal switching fabric make it ideal for most Gigabit environments, especially when network is upgraded to a Gigabit environment.

Fanless Design

With its good ventilation design, the GSW-1601 is able to operate all along without a fan, thus reducing substantial power consumption and creating a noiseless environment. The GSW-1601 is definitely the best choice for any working environment without affecting its performance.



Physical Port

- 16 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 8K absolute MAC addresses
- 10K jumbo packet support
- Power Saving ability for Green networking
- IEEE 802.1Q VLAN packet transparency support
- IEEE 802.3x flow control for full duplex operation and backpressure for half duplex operation
- Hardware based 10/100BASE-TX, half/full duplex and 1000BASE-T full duplex mode, flow control, and auto-negotiation
- Automatic address learning and address aging
- Supports CSMA/CD protocol

Hardware Features

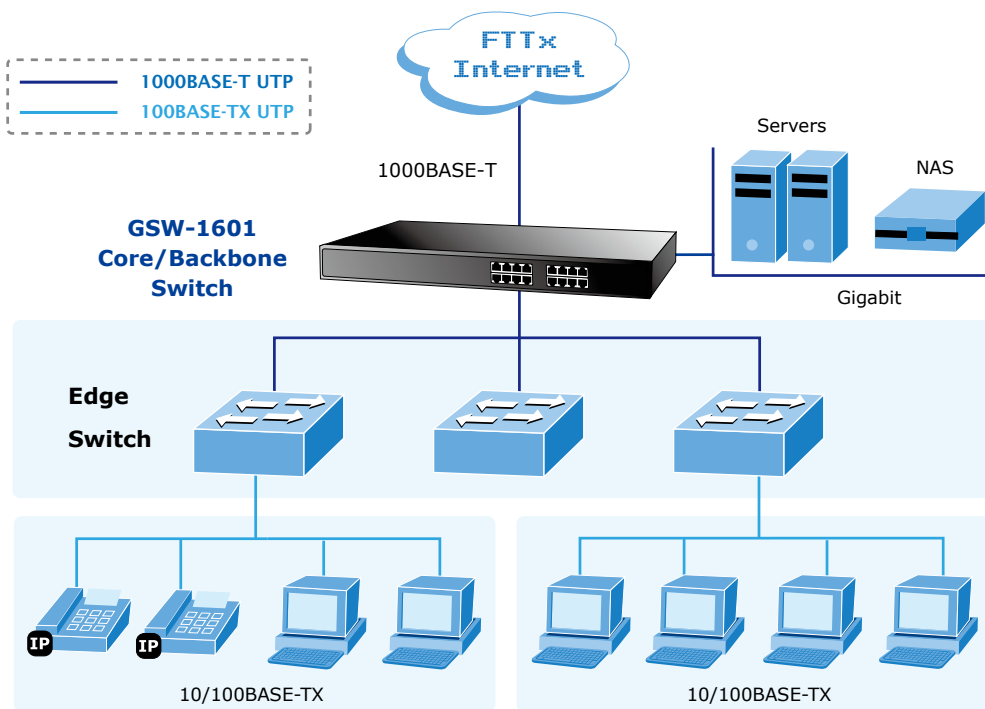
- 100~240V AC, 0.3A, 50~60Hz universal power input
- FCC, CE Class A compliant

Data

Applications

Backbone Switch

With up to 32 Gigabits per second of non-blocking switch fabric, the GSW-1601 can easily provide high bandwidth for both today's and future requirements.



Server Farm Switch

Providing 16 Gigabit Ethernet ports, the GSW-1601 is ideal to be used as a server farm switch connecting to your servers and powerful desktops.

