



16-Port Gigabit Rack-mount Switch

Description:

The GS-1016 is 16-port gigabit rack-mount switch, that is designed for medium or large network environment to strengthen its network connection. Including rack-mount brackets, the 19" size switch fits into your rack cabinet. It is a superb choice to boost your network with higher performance and efficiency.

IEEE Energy Efficient Ethernet (EEE) compliance saves power up to 70%

The Switch GS-1016 offers environmental efficiency with Gigabit Ethernet speeds critical for next-generation network applications. To comply with the IEEE802.3az standard, the Switch GS-1016 provides power saving functions to reduce energy consumption to help business save cost.

-Inactive link detection

The power usage adjustment feature automatically reduces power usage when any shut down network device or inactive link is detected. That is, power consumption of the switch can be adjusted according to the link status or the number of active network devices when possible.

-Cable length detection

The devices equipped with this green feature can automatically detect the length of connected Ethernet cables and adjust power usage accordingly. The shorter the cable length, the less power it consumes.

Supports High-Speed Networking and Jumbo Frames

The GS-1016 is an excellent solution to expand your Gigabit network. With Gigabit speed, the GS-1016 gives high flexibility and high bandwidth connectivity to servers, workstations and other attached devices. It enables you to save time when transferring large files. In addition, it also supports Jumbo Frames 9K to improve network utilization in large files transfer.

Fan-less Design

Since the fan-less design ensures quiet operation in small office spaces, the GS-1016 is the perfect solution for small business and SOHO office deployments.

Supports Auto-Negotiation

Every port of the GS-1016 can automatically distinguish the connected network devices are running at 10Mbps, 100Mbps for Half/Full-Duplex mode and 1000Mbps for Full-Duplex mode. The GS-1016 can adjust the speed and mode accordingly.

Supports Non-Blocking Wire Speed

The GS-1016 receives and forwards traffic seamlessly with its non-blocking wire-speed. Every port of the GS-1016 has the speed up to 2000Mbps in full-duplex mode simultaneously. This feature provides full wire speed to the connected devices and allows you to run a high speed network smoothly.

Supports Store and Forward Architecture

With the store and forward architecture filters fragment & CRC error packets, the GS-1016 can maximize network performance while minimizing the propagation of bad network packets.

Specification

Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseT IEEE 802.3az Energy Efficient Ethernet
Features	RJ-45 Ports: 16 MAC Address: 8K Buffer Memory: 256KB Jumbo Frames: 9KB Transmission Method: Store and Forward
Filtering/Forwarding Rates	1000Mbps port – 1,488,000pps 100Mbps port - 148,800pps 10Mbps port - 14,880pps
Transmission Media	10BaseT Cat. 3, 4, 5 UTP/STP 100BaseTX Cat. 5 UTP/STP 1000BaseT Cat. 5E UTP/STP
Led Indicators	Per Port: Link/Act Per Unit: Power
Power Requirement	100~240V/AC, 50~60Hz
Power Consumption	6.21 Watts (Max)
Dimensions	441 × 131 × 44(L x W x H)
Weight	1.7 kg
Operating Temperature	0 to 40°C
Storage Temperature	-40 to 70°C
Humidity	Operating: 10 to 90% RH (non-condensing) Storage: 5 to 90% RH (non-condensing)
Certifications	FCC Class A, CE