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16-Port Gigabit Switch

GS-1016 V2

FEATURES

- **Gigabit High Speed**: Equipped 16 Gigabit Ethernet ports with full-duplex and 10KB jumbo frames support
- **QoS for Improved Traffic**: Supports IEEE802.1p QoS for ensuring first priority for video and voice traffic
- **High Performance & Reliable Connection**: Supports IEEE 802.3x Flow Control, Auto-Negotiation, No-Blocking Wire Speed, Auto-MDI/MDI-X, Auto-Correction and loop detection
- **Energy Efficient & Power Saving**: Complies with IEEE 802.3az Energy Efficient Ethernet, Inactive Link Detection and Cable Length Detection for power saving
- **Plug-and-Play & Flexible Deployment**: No software or configuration required and designed for desktop, wall-mounted or rack-mounted flexible deployment

OVERVIEW

The GS-1016 V2 is 16-Port Gigabit switch is designed to upgrade or expand the network with high-speed, enhanced performance while maintaining a compact form factor. It boasts outstanding performance and high efficiency, while its store and forward packet-switching technology and standard IEEE 802.11p QoS feature offer improved traffic and reliable data transfer with priority of video and voice. It is ideal for network connectivity in the home, small office, small-and-Medium business and enterprise environments.

The GS-1016 V2 is designed with fanless, wall-mounted, rack-mounted and metal case and offers an easy plug-and-play, flexible-deployment, cost-effective, energy efficient solution for users looking to extend networks and fulfill their high bandwidth data transfer and streaming needs.

Gigabit High-Speed Network

With Gigabit speed, the GS-1016 V2 brings high-flexibility and high-bandwidth connectivity and delivers up to 2000Mbps of throughput per port at full-duplex mode to servers, workstations and other attached devices. It enables you to save time when transferring large files. The equipped 10KB jumbo frames improves network utilization in large files transfer.

QoS for Improved Traffic

Supports 802.1p QoS for ensuring first priority for video and voice traffic for reduced package loss, lower latency and jitter on the network.

High Performance and Reliable Connection

The GS-1016 V2 provides you the maximum speed and highest performance possible for each device connected to your network with the features of IEEE 802.3x Flow Control. Auto-Negotiation, No-Blocking Wire Speed, Auto-MDI/MDI-X, Auto-Correction, Loop Detection, Store-and-Forward Architecture which filters fragment & CRC error packets for maximizing network performance.

Energy Efficient and Power Saving

To comply with the IEEE802.3az Energy Efficient Ethernet standard, the GS-1016 V2 provides power-saving functionality to reduce energy consumption and save costs. Featuring Inactive Link Detection, cutout power delivery on inactive devices and Cable Length Detection: the shorter cable length, the less power consumes. The GS-1016 V2 can reduce or adjust power usage accordingly.

APPLICATION DIAGRAM

SPECIFICATIONS

HARDWARE	
Ports	16 x RJ-45 10/100/1000Base-T ports
Transmission Method	Store and forward
LED Indicators	Per port: Link/Act Per unit: Power
Power Input	100-240V AC, 50-60Hz, internal power supply
Power Consumption	18W (Max.)
Mounting	Rack-mount / wall-mount / desktop (rack-mount kit included)
Housing	Metal
Fan	Fanless
Dimensions	215.5(W) x 42(H) x 133(D) mm
Weight	0.85kg
PERFORMANCE	
Switching Capacity	32Gbps
MAC Address	8K
Buffer Memory	4.1Mb
Jumbo Frame	10KB
Filtering/Forwarding Rates	1000Mbps port – 1,488,000pps 100Mbps port – 148,800pps 10Mbps port – 14,880pps
OTHERS	
Standard	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.11p QoS (Quality of Service) IEEE 802.3x Full-duplex and Flow Control IEEE 802.3az Energy Efficient Etherent
Environmental Condition	Operating Temperature: 32~104°F (0~40°C) Storage Temperature: -40~158°F (-40~70°C) Operating Humidity: 10~90% (NonCondensing) Storage Humidity: 5~90% (NonCondensing)
Certification	CE, FCC

Maximum performance, actual data rates, and coverage will vary depending on network conditions and environmental factors. Product specifications and design are subject to change without notice.

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