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GS-1008E

8-Port Gigabit Desktop Switch

The GS-1008E is 8-port gigabit desktop switch designed to enhance network performance while maintaining a compact form factor. It boasts outstanding performance and high efficiency, and its store and forward packet-switching technology offers reliable data transfer, which makes it ideal for network connectivity in the SOHO environment. The GS-1008E is designed with a metal casing, and offers an easy and cost-effective gigabit Ethernet solution for users looking to extend home networks and fulfill their online gaming, multimedia transfer and streaming needs. It is a superb choice to boost your network with higher performance and efficiency.

Supports High-Speed Networking and Jumbo Frames
The GS-1008E is an excellent solution to expand your Gigabit network. With Gigabit speed, the GS-1008Egives 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.

Plug & Play, No Installation Required
Just plug Ethernet enabled devices into the switch. Data can be transmitted through existing standard Cat-5e Ethernet cables with no additional cables or configuration required.

High Performance
The GS-1008E switch also supports auto-negotiation, non-blocking wire speed, auto-MDI/MDI-X and store and forward architecture to give you the maximum speed and highest performance possible for each device connected to your network.

•Auto-Negotiation
Each of the GS-1008E's ports automatically detect whether connected network devices are running at 10Mbps, or 100Mbps and half-duplex or full-duplex mode, and adjusts the speed and mode accordingly ensuring easy and hassle-free operation.

•Non-Blocking Wire Speed
Forwards and receives traffic seamlessly – each port supports speeds up to 200Mbps in full-duplex mode simultaneously, providing full wire speed to connected devices and allowing you to run a high speed network smoothly.

•Supports Auto-MDI/MDI-X
Every port of the GS-1008E can automatically detect the type of cables. There is no need to choose crossover or parallel cables when you are connecting this switch to another switch or to a computer.

•Supports Store and Forward Architecture
With the store and forward architecture filters fragment & CRC error packets, the GS-1008E can maximize network performance while minimizing the propagation of bad network packets.

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Power Saving with IEEE Energy Efficient Ethernet (EEE) Compliance

Along with the Fast Ethernet speeds critical for next-generation network applications, the GS-1008E offers environmental efficiency . To comply with the IEEE802.3az standard, the GS-1008E provides power saving functionality to reduce energy consumption and save costs:

•Inactive Link Detection

When a network device is shut down and/or an inactive link is detected, the power usage adjustment feature automatically reduces power usage. The switch's power consumption will be dynamically adjusted according to the link status and the number of active network devices.

•Cable Length Detection

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

Fan-less Design

Since the fan-less design provides quiet operation and helps to extend the device's lifetime in office spaces, the GS-1008E is the perfect solution for small business and SOHO office deployments.

FEATURES

•Supports 8 10/100/1000Mbps Gigabit Ethernet ports

•Supports auto-MDI/MDIX crossover detection and auto-correction

•Supports 10/100Mbps full/half duplex modes and 1000Mbps full duplex mode

•Supports wire-speed package filtering and forwarding rates

•Supports store-and-forward architecture with fragment and CRC error package filtering

•Supports IEEE 802.3az Energy Efficient Ethernet

•Support 8K MAC address table & 9KB jumbo frame

•Designed with fan-less quite operation & metal case

•Plug and play, no installation required

APPLICATION DIAGRAM

GS-1008E

IP Camera   IP Phone   Smart TV   Media Player   Game Console   NAS Server   Laptop   Access Point   Internet Modem

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TECHNICAL SPECIFICATIONS

Hardware	
Ports	8 RJ-45 10/100/1000Base-T RJ45 ports
Transmission Method	Store and forward
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 Adapter	12V DC, 1A
Power Consumption	3.2W (Max)
Dimensions (L x W x H)	121 × 75 × 26 mm
Weight	0.32KG
Performance	
Switching Capacity	16Gbps
MAC Address	8K
Buffer Memory	128KB
Jumbo Frames (Bytes)	9K
Filtering/Forwarding Rates	1000Mbps port - 1,488,000pps 100Mbps port - 148,800pps 10Mbps port - 14,880pps
Environment	
Temperature	Operating: 0 ~ 40℃ Storage: -40 ~ 70℃
Humidity (Non-condensing)	Operating: 10 ~ 90% Storage: 5 ~ 95%
Standards Compliance	
Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3ab 1000BaseT Gigabit Ethernet IEEE 802.3x Full-duplex and flow control IEEE 802.3az Energy efficient Ethernet
Certifications	CE

HARDWARE INTERFACE

Power Indicator   LED Indicators

24 X 10/100/1000Mbps RJ-45 Ports   Power Port