EDIMAX
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GS-1008E

8-Port Gigabit Desktop Switch

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

Supports High-Speed Networking and Jumbo Frames.
Expand your Gigabit network. With Gigabit speed, the GS-1008E brings high-flexibility and high-bandwidth connectivity to servers, workstations and other attached devices. It enables you to save time when transferring large files. 9K jumbo frames are also supported 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.
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 adjust 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 so you can run a high speed network smoothly.

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

•Supports Store and Forward Architecture.
Store and forward architecture filters fragment & CRC error packets, maximizing network performance while minimizing the propagation of bad network packets.

24-Port Gigabit Desktop Switch

GS-1008E

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.
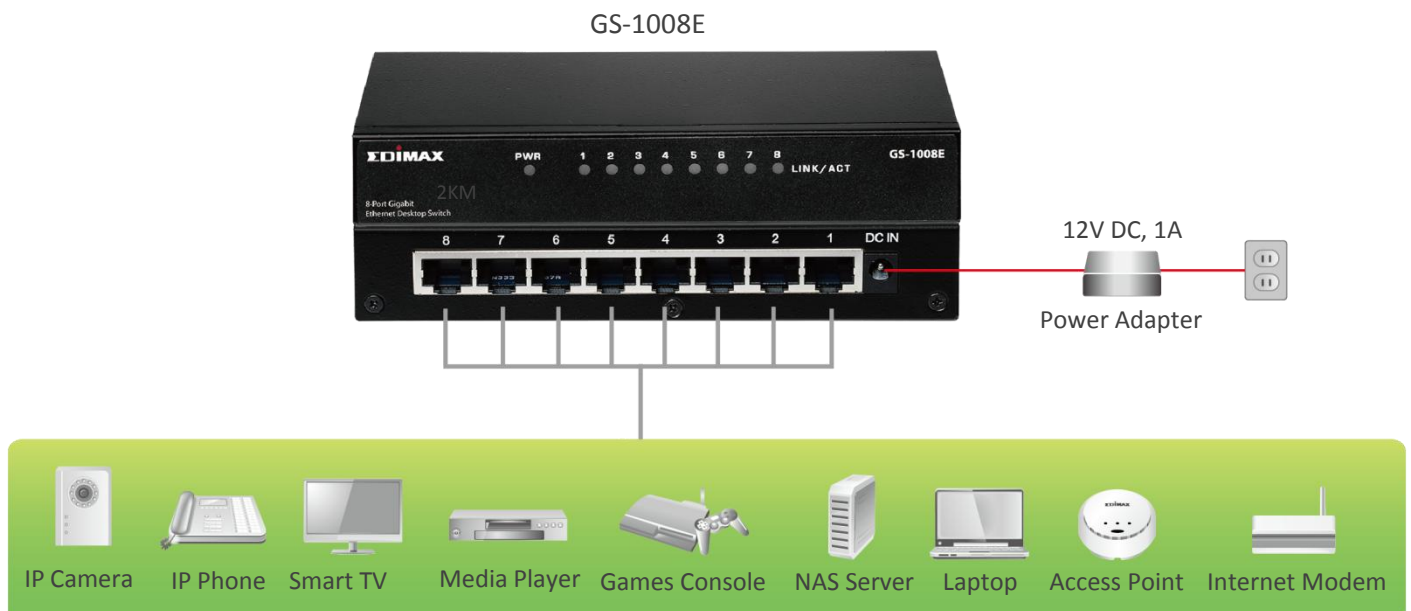
Fan-less Design.

Fan-less design provides quiet operation and helps to extend the device's lifetime in office spaces - 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.

•Supports 8K MAC address table & 9KB jumbo frame.

•Designed with fan-less quite operation & metal case.

•Plug and play, no installation required.

•Supports 12V DC, 1A external power adapter.
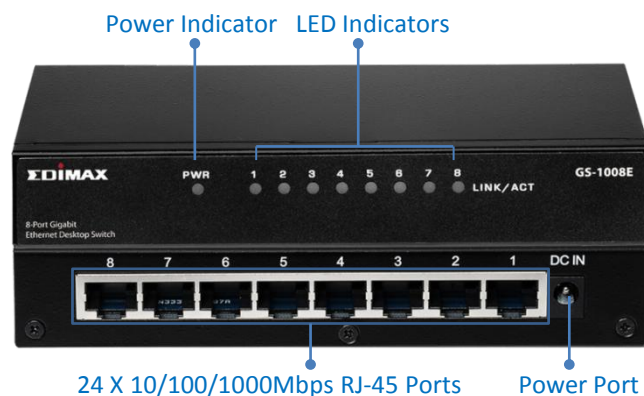
APPLICATION DIAGRAM

GS-1008E

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

12V DC, 1A

Power Adapter

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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 (External power adapter)
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

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