



2.5 Gigabit

5-Port 2.5 Gigabit Desktop Switch

GS-1005BE

FEATURES

- **2.5 Gigabit High Speed:**
Five 2.5 Gigabit Ethernet ports with full-duplex and 12K jumbo frames support.
- **No Need to Upgrade Cabling Infrastructure:**
Doubles network bandwidth by leveraging existing CAT-5E cabling infrastructure.
- **High Performance & Reliable Connection:**
Supports IEEE 802.3x Flow Control, Auto-Negotiation, 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.

OVERVIEW

The GS-1005BE is 5-Port Gigabit desktop 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 offers reliable data transfer ideal for network connectivity in the home, small office, small-and-medium business and enterprise environments.

The GS-1005BE is designed with fanless, wall-mounted hole 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.

2.5 Gigabit High-Speed Network

With 2.5 Gigabit speed, the GS-1005BE brings high-flexibility and high-bandwidth connectivity to servers, workstations and other attached devices. It enables you to save time when transferring large files. 12K jumbo frames are also supported to improve network utilization in large files transfer.

No Need to Upgrade Cabling Infrastructure

Just plug Ethernet enabled devices into the GS-1005BE. It doubles network bandwidth while leveraging existing CAT-5E cabling infrastructure with no additional cables, software setup or configuration required. In all, it lowers the installation costs and simplifies the deployment effort.

High Performance and Reliable Connection

The GS-1005BE provides you the maximum speed at 2.5GbE 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-1005BE provides power-saving functionality to reduce energy consumption and save costs. Featuring with Inactive Link Detection, inactive devices without power delivery and Cable Length Detection, the shorter cable length, the less power consumes, the GS-1005BE can reduce or adjust power usage accordingly.

APPLICATION DIAGRAM



SPECIFICATIONS

HARDWARE

Ports	5 x RJ-45 100/1000/2500Base-T ports
Transmission Method	Store and forward
LED Indicators	Per port: Link/Act Per unit: Power
Power Input	12V/1A (External power adapter)
Mounting	Desktop/Wall
Housing	Metal
Fan	Fanless
Dimensions	160(W) x 110(D) x 26(H) mm
Weight	446g

PERFORMANCE

Switching Capacity	25Gbps
MAC Address	16K
Packet Buffer Memory	12Mb
Jumbo Frame	12K (Bytes)
Filtering/Forwarding Rates	1000Mbps port – 1,488,000pps 100Mbps port – 148,800pps Max. 18.6Mpps

OTHERS

Standard	IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3an 2.5G Base-T IEEE 802.3x Full-duplex and flow control IEEE 802.3az Energy efficient Ethernet
Certification	CE, FCC
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)

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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