



DIGISOL®

SWITCHING SOLUTIONS

DIGISOL 24 Port Gigabit Ethernet Unmanaged Switch

DG-GS1024/E



Key Features:-

- 24 x 10/100/1000Mbps RJ-45 Nway ports
- Supports Auto-Negotiation & Non-Blocking Wire Speed
- Supports High-Speed Networking and Jumbo Frames
- Supports Store and Forward Architecture
- Supports Auto MDI/MDI-X Crossover
- Internal Universal Power Supply
- 19" rack-mount size
- Energy Efficient • Fan-less Design
- IEEE802.3x Full-duplex flow control
- IEEE/ANSI 802.3 Nway auto-negotiation
- Plug and Play installation
- Switching Capacity: 48Gbps Backplane



Introduction:-

DIGISOL DG-GS1024/E is a 10/100/1000 Mbps Unmanaged Ethernet rack mountable switch designed to enhance network performance. The switch comes with 24x10/100/ 1000Mbps ports, offering solutions for accelerating bandwidth needs of small Ethernet workgroups. The switch uses store and forward packet switching technology which offers reliable data transfer. This switch is ideal for network connectivity for the SOHO/SME environment. It is a best choice for enhancing your network with higher performance and efficiency.

Energy Efficient

The DG-GS1024/E is designed with a truly intelligent power saving functionality. It complies with the IEEE 802.3az Energy Efficient Ethernet protocol. The switch conserves energy using the following two methods:

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 DG-GS1024/E is an excellent solution to expand your Gigabit network. With Gigabit speed, the DG-GS1024/E gives flexibility and high bandwidth connectivity to servers, workstations and other network devices. It enables users to save time when transferring large files. In addition, it also supports Jumbo Frames to improve network utilization in large files transfer.

Fan-less Design

The fan-less design ensures noiseless operation in small office environment, the DG-GS1024/E is a perfect solution for small business and SOHO office deployments.

Plug and Play Installation

The DG-GS1024/E operates without any configuration. The built-in auto-negotiation feature of the switch will adapt its speed (10/100/1000Mbps) as per the remote host connected to its port. Each port supports auto MDI/MDI-X operation for uplink ports which eliminates the need for cross over cables or dedicated uplink ports. This feature gives true plug-n-play operation by reducing most common cabling errors during installations. Any port can simply plug to a server or a switch, using the usual straight-through twisted-pair cable.



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Technical Specifications:-

Network Ports

- 24 x 10/100/1000 Mbps auto-sensing UTP RJ-45 ports

Standard Compliance

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet
- IEEE 802.3az Energy Efficient Ethernet
- IEEE 802.3x Full-duplex flow control

Protocol

- CSMA/CD

Network Cables

- 10BASE-T: UTP Cat. 3, 5 (100 m)
- 100BASE-TX: UTP Cat. 5, 5e (100 m)
- 1000BASE-T: UTP Cat. 5e, 6 (100m)

Data Transfer Rates

- Ethernet: 10 Mbps (Half-duplex), 20 Mbps (Full Duplex)
- Fast Ethernet: 100 Mbps (Half-duplex), 200 Mbps (Full Duplex)
- Gigabit Ethernet: 2000 Mbps (Full-duplex)

Performance Specifications

- Forwarding mode: Store-and-forward
- Buffer memory: 4.1 Mbit SRAM Packet Buffer
- MAC Address database: 8K L2 MAC table with 4-way hashing algorithm
- Jumbo Frames: 9KB
- Switching Capacity: 48Gbps

Power Consumption

- 18 Watts

Status LEDs

- Power
- Link & activity indicators for each port

Environmental Specifications

- Operating temperature: 0°C ~ 50°C
- Storage temperature: -40°C ~ 70°C
- Operating humidity: 10%~90% RH (non-condensing)
- Storage humidity: 5 to 90 % RH (non-condensing)

Power Supply

- Internal (100~240v, 50-60hz AC)

Physical Specifications

- Dimensions: (l x w x h) 440 x 180 x 44 mm

Minimum System Requirements

- Network card for each PC or Server
- Network cables min. Cat5e for 1000 Mbps

Warranty

- DIGICARE 3 Years Warranty



Ordering Information:-

DG-GS1024/E: DIGISOL 24 Port 10/100/1000Mbps Gigabit Ethernet Unmanaged Switch

*Warranty shall be subject to terms and conditions specified in the DIGISOL PRODUCT WARRANTY displayed on the website of the company.

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Power Connector

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