

Energy Efficient

The DG-FS1008DG 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.

Plug and Play installation

The auto-negotiation and auto-sensing feature of the switch eliminates the need to manually configure the switch for optimum performance. Auto MDI/MDI-X feature eliminates the need of using a crossover cable or dedicated uplink port. These features enable the switch to operate out of the box without any manual configuration.

High-Performance

The switch supports data transfer at an average of 200Mbps per port in full duplex mode. This allows every node to perform at their maximum performance.

8 Port 10/100Mbps Fast Ethernet Green Switch

DG-FS1008DG

(H/W Ver. B1)



DIGISOL DG-FS1008DG is an eight port Fast Ethernet unmanaged GREEN switch designed to enhance network performance in a compact form factor. The switch offers 8 10/100Mbps Ethernet ports compliant with IEEE 802.3az standard. The switch uses store and forward packet switching technology which ensures reliable data transfer. The switch also supports automatic MDI/MDI-X detection which eliminates the need of a cross over cables or dedicated uplink ports. Thus the DG-FS1008DG is an ideal solution for SOHO and small Ethernet workgroups.

Product Features & Compliances:

- Energy Efficient
- 8 X 10/100Mbps Auto-negotiation Fast Ethernet RJ45 ports
- Complies with IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3az standards
- Supports IEEE802.3x flow control for Full-duplex Mode and backpressure for Half-duplex Mode
- Supports MDI/MDI-X auto crossover
- Switching fabric: 1.6Gbps
- Plug and Play installation

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Technical Specifications

Network Ports

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

Standard Compliance

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3x Full Duplex Flow Control
- IEEE 802.3az Energy efficient

Protocol

- CSMA/CD

Network Cables

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

Data Transfer Rates

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

Performance Specifications

- Forwarding mode: Store-and-forward
- Switching fabric: 1.6Gbps
- MAC Address Table: 1K

Status LEDs

- Power
- Link & activity indicators for each port

Environmental Specifications

- Operating temperature: 0°C ~ 40°C
- Storage temperature: -20°C ~ 70°C
- Operating humidity: 10%~90% RH (non-condensing)
- Storage humidity: 5 to 90% RH (non-condensing)

Power Supply

- Switching Power Adapter: 5V DC, 0.6A

Physical Specifications

- Dimensions: (l x w x h) 133 x 72 x 27 mm
- Weight: 106 g

Minimum System Requirements

- Network card for each PC or Server
- Network Cables Min. Cat5 for 100 Mbps

Warranty

- Lifetime warranty



Ordering Information:

DG-FS1008DG (H/W Ver. B1): DIGISOL DG-FS1008DG DIGISOL 8 Port 10/100Mbps Fast Ethernet Green Switch

** Please refer warranty document on www.digisol.com

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