

### Power over Ethernet Support

The DG-GS1008PF Switch offers 8x10/100/1000Mbps Ethernet ports with Power over Ethernet support. These PoE ports are IEEE 802.3af and IEEE802.3at compliant and can supply up to a Max. of 30 watt per port and a total PoE power of 130Watt. The existing Ethernet cables can be used to power up PoE compliant network devices. This eliminates the need of an external power source and power cabling for such devices. The switch provides flexibility to users for connecting a PoE or non PoE device. The PoE devices connected to switch can be easily identified by the separate PoE LED status indicators for each port.

### 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. This feature enables the switch to operate out of the box without any manual configuration.

### High-Performance

The switch supports data transfer at an average of 2000Mbps per port in full duplex mode. This allows every node to perform at their maximum performance.

## Gigabit Ethernet Unmanaged Switch with 8 PoE Ports

# DG-GS1008PF



**DIGISOL** DG-GS1008PF is an eight port Gigabit Ethernet PoE unmanaged switch designed to enhance network performance in a compact form factor. The switch offers 8 10/100/1000Mbps Ethernet PoE port complaint with IEEE 802.3af or IEEE802.3at standard. The PoE ports can be used to power up devices complying with IEEE802.3af or IEEE802.3at standard using the existing Ethernet cable. The total PoE power which the switch can supply is 130W. The switch uses store and forward packet switching technology which ensures reliable data transfer. The switch has a sturdy and versatile desktop design which can also be mounted in a network rack. Thus the DG-GS1008PF is an ideal solution for small Ethernet workgroups and applications requiring PoE.

### Product Features & Compliances

- 8 × 10/100/1000Mbps Auto-negotiation Gigabit Ethernet RJ45 ports
- Supports PoE on all 8 ports
- Supports total PoE power up to 130W
- Complies with IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3x, IEEE802.3af and IEEE802.3at standards
- Supports IEEE802.3x flow control for Full-duplex Mode and backpressure for Half-duplex Mode
- 8K MAC address table with auto-learning and auto-aging
- Plug and Play installation
- Internal Power Supply

### Technical Specifications

#### Network Ports

- 8 x 10/100/1000Mbps auto-sensing UTP RJ-45 ports with PoE

#### Standard Compliance

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet
- IEEE 802.3x Full Duplex Flow Control
- IEEE 802.3af Power over Ethernet
- IEEE 802.3at Power over Ethernet

#### 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. 5, 5e, 6 (100 m)

#### 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
- MAC Address database: 8K

#### Status LEDs

- Power
- PoE in Use for each port
- Link & activity indicators for each port

#### Environmental Specifications

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

#### Power Supply

- Internal (100~240VAC)

#### Physical Specifications

- Dimensions: (l x w x h) 280 x 179 x 44.5mm

#### Minimum System Requirements

- Network card for each PC or Server
- Network Cables Min. Cat.5e/6 for 1000Mbps

#### Warranty

- One year warranty



### Ordering Information:

DG-GS1008PF DIGISOL Gigabit Ethernet Unmanaged Switch with 8 PoE Ports

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