DIGISOL (logo)

DIGISOL 8 Port Gigabit Ethernet Unmanaged PoE Switch

DG-GS1008PF (H/W Ver. B2)

Key Features:-

- 8 x 10/100/1000 Mbps RJ-45 Power over Ethernet Ports
- Complies with IEEE802.3, IEEE802.3x, IEEE802.3af and IEEE802.3at** standards
- Supports MDI/MDI-X auto crossover
- Up to 2000Mbps data transfer rates in Full Duplex Mode
- High Performance
- Plug and Play installation
- Link/ ACT LED for each port & PoE LED for PoE ports
- Supports wire speed packets filtering and forwarding rate
- Supports store-and-forward switching infrastructure
- Internal Power Supply
- Max. PoE Budget 130W

Introduction:-

DIGISOL DG-GS1008PF is a Gigabit Ethernet PoE unmanaged switch designed to enhance network performance in a compact form factor. The switch offers 8 10/100/1000Mbps Ethernet PoE ports compliant with IEEE 802.3af / IEEE 802.3at**. The PoE ports can be used to power up devices complying with IEEE 802.3af & IEEE 802.3at using the existing Ethernet cable. 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-GS1008PF is an ideal solution for small Ethernet workgroups and application requiring PoE.

Power over Ethernet Ports

The DG-GS1008PF Switch offers 8x10/100/ 1000 Mbps Gigabit Ethernet ports with Power Over Ethernet ports. These PoE ports are IEEE 802.3af / IEEE 802.3at** compliant and can supply PoE Power to PoE devices. The existing Ethernet cables can be used to power up IEEE 802.3af & IEEE 802.3at 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.

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

With its backplane capacity of 16Gbps, data transfer is at an average of 2000Mbps per port at full duplex mode. This allows every node to perform at their maximum performance.

DIGISOL™

Technical Specifications:-

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

Standard Compliance
- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
  IEEE 802.3x Full-duplex Flow Control
- IEEE 802.3ab 1000BASE-T
- IEEE/ANSI 802.3 Nway auto-negotiation
- IEEE-802.3af / IEEE-802.3at**

Packet forwarding rate
- 14881PPS for 10BASE-TX
- 148810PPS for 100BASE-TX
- 1488100PPS for 1000BASE-TX

Protocol
- CSMA/CD

Network Cables
- 10BASE-T: UTP Cat. 3, 4, 5 (100 m)
- 100BASE-TX: UTP Cat. 5 (100 m)
- 1000BASE-TX: UTP Cat. 5e, Cat. 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: 1000 Mbps (Half-Duplex), 2000 Mbps (Full Duplex)

Power Supply
- Internal (100~240VAC)

Performance Specifications
- Forwarding mode: Store-and-forward
- Backplane: 16 Gbps
- Buffer memory: 192 Kbytes
- MAC Address database: 4K
- PoE Power Budget: 130W DIP Switch
- Support 10Mbps /200m transition function for PoE ports

Status LEDs
- Power
- Link/Act, PoE Act/Status indicators

FAN
- Fanless design

Environmental Specifications
- Operating temperature: 0°C~40°C
- Operating humidity: 10 %~90 % RH (non-condensing)
- Storage temperature:-20°C~60°C

Physical Specifications
- Dimensions: (l x w x h) 265 x 185 x 45 mm
- Weight: 1.68kg

System Requirements
- Network card for each PC or Server
- Network Cables Min. Cat.5 for 100 Mbps

Warranty
- DIGICARE Limited Lifetime Warranty

PoE | **PnP** | **10/100/1000 Mbps** | **Auto MDIX** | **Full Duplex**

Ordering Information:-

DG-GS1008PF (H/W Ver. B2) : DIGISOL 8 Port 10/100/1000 Mbps Gigabit Ethernet Unmanaged PoE Switch

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

**IEEE802.3af: 15.4W per port i.e) all 8 PoE ports can be utilized.
**IEEE802.3at: 30W max i.e) only 4 PoE ports can be utilized.

Power Connector

DIGISOL is a Subsidiary of Smartlink Holdings Limited