



DIGISOL™

SWITCHING SOLUTIONS

DIGISOL 8 Port Gigabit Ethernet Unmanaged Desktop Switch with 4 PoE Ports and External Power Adapter

DG-GS1008PH-A

Key Features:-

- 8 x 10/100/1000 Mbps RJ-45 Nway ports with 4 Power over Ethernet Ports
- Complies with IEEE802.3, IEEE802.3x and IEEE802.3af 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



Introduction:-

DIGISOL DG-GS1008PH-A 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 ports of which 4 ports are Power over Ethernet (PoE) compliant to IEEE 802.3af. The PoE ports can be used to power up devices complying with 802.3af 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-GS1008PH-A is an ideal solution for small Ethernet workgroups and application requiring PoE.

Power over Ethernet Ports

The DG-GS1008PH-A Switch offers 8x10/100/ 1000 Mbps Gigabit Ethernet ports with 4 Power Over Ethernet ports. These PoE ports are IEEE 802.3af compliant and can supply PoE Power to PoE devices. The existing Ethernet cables can be used to power up IEEE 802.3af 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.



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Technical Specifications:-

Network Ports

- 8 x 10/100/1000 Mbps auto-sensing UTP RJ-45 (including 4 Power over Ethernet)

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

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

- 55V/1.3A Power adapter

Performance Specifications

- Forwarding mode: Store-and-forward
- Backplane: 16 Gbps
- Buffer memory: 192 Kbytes
- MAC Address database: 4K
- PoE Power Budget: 60W 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) 165 x 118 x 39 mm
- Weight: 530g

System Requirements

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

Warranty

- DIGICARE Limited Lifetime Warranty



Ordering Information:-

DG-GS1008PH-A: DIGISOL 8 Port 10/100/1000 Mbps Gigabit Ethernet Unmanaged Switch with 4 Power Over Ethernet Ports and External Power Adapter

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

- Power adapter shipped with the device carries 1 year warranty.

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