



**DIGISOL™**

# SWITCHING SOLUTIONS

## DIGISOL 8 Port Fast Ethernet Unmanaged Switch with 4 PoE Ports

### DG-FS1008PH-A (H/W Ver. A1)

#### Key Features:-

- 8 x 10/100 Mbps RJ-45 Nway ports with 4 PSE/ Power over Ethernet Ports
- Complies with IEEE802.3, IEEE802.3x, IEEE802.3af & IEEE802.3at standards
- Supports 15.4W max per port for IEEE802.3af devices & 30W\* max for IEEE802.3at compliant devices
- Supports MDI/MDI-X auto crossover
- Up to 200Mbps data transfer rates in Full Duplex Mode
- High Performance • Plug and Play installation
- Support VLAN mode
- 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
- Max. PoE Budget 60W



#### Introduction:-

**DIGISOL DG-FS1008PH-A** is a Fast Ethernet PoE unmanaged switch designed to enhance network performance in a compact form factor. The switch offers 8 10/100Mbps Ethernet ports of which 4 ports are Power over Ethernet (PoE) compliant to IEEE 802.3af/IEEE 802.3at. The PoE ports can be used to power up devices complying with 802.3af & 802.3at using the existing Ethernet cable. All 4 POE ports support both IEEE802.3af & IEEE802.3at 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. This switch supports built-in DIP switch which can extends ethernet connectivity up to 200m at 10Mbps link speed for PoE ports to satisfy Video Surveillance requirement. You can also enable VLAN mode depending on DIP switch combination set on switch.

#### Power over Ethernet Ports

The DG-FS1008PH-A Switch offers 8x10/100 Mbps Fast Ethernet ports with 4 Power Over Ethernet ports. These PoE ports are IEEE 802.3af and 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/ 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 1.6Gbps, data transfer is at an average of 200Mbps per port at full duplex mode. This allows every node to perform at their maximum performance.

#### VLAN mode Support

This switch supports built-in DIP switch which extends ethernet connectivity up to 200m at 10Mbps link speed to satisfy Video Surveillance requirement. You can also enable VLAN mode depending on DIP switch combination set on switch. In Vlan mode, ports 1-4 will only communicate with ports 5-8. It will work as normal 10/100Mbps PoE switch with all DIP switch in OFF mode.



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## Technical Specifications:-

### Network Ports

- 8 x 10/100 Mbps auto-sensing UTP RJ-45 (including 4 PSE/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/ANSI 802.3 Nway auto-negotiation
- IEEE-802.3af/ IEEE-802.3at

### Protocol

- CSMA/CD

### Network Cables

- 10BASE-T: UTP Cat. 3, 4, 5 (100 m)
- 100BASE-TX: UTP Cat. 5 (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
- Backplane: 1.6 Gbps
- Buffer memory: 56k bytes
- MAC Address database: 1K
- PoE Power Budget: 60W

### Add Packet Forwarding Rate

- 14881PPS (10Base-TX)
- 148810PPS (100Base-TX)

### Status LEDs

- Power
- Link/Act, PoE indicators

### Environmental Specifications

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

### Power Rating

- 55VDC, 1.3A

### Physical Specifications

- Dimensions: 165(W) x 118(D) x 39(H) mm

### 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-FS1008PH-A (H/W Ver. A1): DIGISOL 8 Port 10/100 Mbps Fast Ethernet Unmanaged Switch with 4 PoE Ports

\*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 4 PoE ports can be utilized.

IEEE802.3at: 30W max i.e) only 2 PoE ports can be utilized.

\* Power adapter shipped with the device carries 1 year warranty.

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