DIGISOL 6 Port Fast Ethernet Unmanaged Switch with 4 PoE Ports & 2 Uplink Ports

DG-FS1006PF (H/W Ver. A1)

Key Features:-

- 6 x 10/100 Mbps RJ-45 Nway ports with 4 PSE/ Power over Ethernet Ports & 2 Uplink 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 CCTV 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

LIMITED LIFETIME WARRANTY

For Warranty Details Please Visit www.digisol.com

Introduction:-

DIGISOL DG-FS1006PF is a Fast Ethernet PoE unmanaged switch designed to enhance network performance in a compact form factor. The switch offers 6 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 also support CCTV mode in which it will work in VLAN Mode i.e) the clients connected to it can only communicate with the uplink port (5-6). There is a toggle button on the switch for easy selection of the operational mode. Thus the DG-FS1006PF is an ideal solution for small Ethernet work-groups and applications requiring PoE.

Power over Ethernet Ports

The DG-FS1006PF Switch offers 6 x10/100 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 1.2Gbps, data transfer is at an average of 200Mbps per port at full duplex mode. This allows every node to perform at their maximum performance.

CCTV mode Support

This product supports one toggle button to switch to CCTV mode i.e) ports 1-4 will be isolated from each other but can communicate with uplink port 5-6. At the same time, it will set ports 1-4 to full 10Mbps speed & can extend Ethernet connectivity up to 250m which fully satisfy the Video Surveillance requirement.

SWITCHING SOLUTIONS

Technical Specifications:-

Network Ports
- 6 x 10/100 Mbps auto-sensing UTP RJ-45 (including 4 PSE/ Power over Ethernet & 2 Uplink Ports)

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: 1.2 Gbps
- MAC Address database: 2K
- PoE Power Budget: 60W

Add Packet Forwarding Rate
- 14881PPS (10Base-TX)
- 148810PPS (100Base-TX)

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

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

Power Rating
- Internal (100-240VAC)

Physical Specifications
- Dimensions: 168(W) x 93(D) x 32(H) mm

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 Mbps | Auto MDIX | Full Duplex

Ordering Information:-

DG-FS1006PF (H/W Ver. A1): DIGISOL 6 Port 10/100 Mbps Fast Ethernet Unmanaged Switch with 4 PoE Ports & 2 Uplink 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.

Power Connector

100-240V AC 50/60Hz

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