



**DIGISOL™**

# SWITCHING SOLUTIONS

## DIGISOL 24 Port Fast Ethernet Unmanaged Switch

### DG-FS1024

#### Key Features:-

- 24 x 10/100 Mbps RJ-45 ports
- Complies with IEEE802.3, IEEE802.3x Standards
- Supports Auto MDI/MDI-X Crossover
- Data transfer speed up to 200 Mbps (Full-duplex)
- Internal Universal Power Supply
- Energy Efficient
- Plug and Play installation
- Switching Capacity: 4.8Gbps Backplane



#### Introduction:-

**DIGISOL DG-FS1024** is a 10/100 Mbps Ethernet unmanaged switch designed to enhance network performance. It is also rack-mountable using the kit provided along with the switch. The switch comes with 24 x 10/100 Mbps ports, offering solutions for accelerating bandwidth needs of small Ethernet workgroups. The switch uses store and forward packet-switching technology which offers reliable data transfer. This switch is ideal for network connectivity for the SOHO environment.

#### 24 x 10/100 Mbps RJ-45 ports

The DG-FS1024 switch offers 24 x 10/100 Mbps Ethernet ports which gives small workgroups a flexibility to integrate Ethernet and Fast Ethernet in a single network. This Switch also allows for auto-sensing and auto negotiation of highest available speed (10/100 Mbps) and duplex mode, providing an automatic and flexible solution for the network. These intelligent ports detect the network speed and auto-negotiate between 100BASE-TX and 10BASE-T, as well as between full and half-duplex.

#### Plug and Play installation

The DG-FS1024 switch operates without any configuration. The built-in auto-negotiation feature of the Switch will adapt its speed (10/100 Mbps) as per the remote host connected to its port. Each port supports auto MDI/MDI-X operation for uplink ports which eliminates the need for cross over cables or dedicated uplink ports. This feature gives true plug-n-play operation by reducing most common cabling errors during installations. Any port can simply plug to a server or a switch, using the usual straight-through twisted-pair cable.

#### Energy Efficient

The DG-FS1024 is designed with a truly intelligent power-saving functionality. As soon as the device on the other end is shut down or disconnected from the network, the port is switched to standby mode. This can save power consumption while maintaining performance and functionality.



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## Technical Specifications:-

### Network Ports

- 24 x 10/100 Mbps auto-sensing UTP RJ-45 ports

### Standard Compliance

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE/ANSI 802.3 Nway auto-negotiation
- IEEE 802.3x Full-duplex Flow Control
- IEEE 802.3az Compliant

### Protocol

- CSMA/CD

### Network Cables

- 10BASE-T: UTP Cat. 3, 5 (100 m)
- 100BASE-TX: UTP Cat. 5, Cat. 5e (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
- MAC Address database: 8K

### Status LEDs

- Power
- Link & activity indicators for each port
- Link Speed LED
- Status LEDs

### Environmental Specifications

- Operating temperature: 0°C~40°C ambient

- Operating humidity: 5 %~95 % (non-condensing)
- Storage temperature: 0°C~70°C

### Power Supply

- Internal (100~240VAC)

### Minimum 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-FS1024: 24 Port 10/100 Mbps Fast Ethernet Unmanaged Switch

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

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Power Connector

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