

#### 16 x 10/100Mbps RJ-45 Nway ports

The DG-FS1016D-A Switch offers 16x10/100Mbps 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 (10/100Mbps) 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-FS1016D-A switch operates without any configuration. The built in auto-negotiation feature of the switch will adapt its speed (10/100Mbps) 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 features 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.

#### High-Performance

With its backplane capacity of 3.2 Gbps, data transfer is at an average of 200 Mbps per port at full duplex mode allowing every node to perform at their maximum performance.

#### Energy Efficient

The DG-FS1016D-A 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.

## 16 Port Fast Ethernet Unmanaged Switch with External Power Adapter

### DG-FS1016D-A



**DIGISOL** DG-FS1016D-A is a 10/100 Mbps Ethernet Desktop unmanaged switch designed to enhance network performance in a compact form factor. The switch comes with 16 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.

#### Product Features & Compliances

- 16x10/100 Mbps RJ-45 ports
- Complies with IEEE802.3, IEEE802.3x, IEEE 802.3az
- Standards Supports Auto MDI/MDI-X Crossover
- Data transfer speed up to 200Mbps (Full-duplex)
- 3.2 Gbps Backplane
- Plug and Play installation
- Energy Efficient

## Technical Specifications

### Network Ports

- 16 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 energy efficient

### 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
- Bandwidth: 3.2 Gbps
- MAC Address database: 8K

### Status LEDs

- Power
- Link & activity indicators for each port

### Environmental Specifications

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

### Power Supply

- Input 100-240V - 50/60Hz
- Output DC 5V-1A

### Physical Specifications

- Dimensions: (l x w x h) 142 x 125 x 42 mm

### Minimum System Requirements

- Network card for each PC or Server
- Network Cables Min. Cat5 for 100 Mbps

### Warranty

- Limited Lifetime Warranty



## Ordering Information:

DG-FS1016D-A: 16 Port 10/100Mbps Fast Ethernet Unmanaged Switch with External Power Adapter

\*\*Please refer warranty document on [www.digisol.com](http://www.digisol.com) • Power adapter shipped with the device carries 1 year warranty.

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