



DES-1008F

## 8-Port 10/100Mbps Switch With 100BASE-FX Fiber Port

The DES-1008F is an 8-port 10/100Mbps compact desktop switch that is an ideal choice for the small workgroup. This switch allows users to simply plug any port to either a 10Mbps Ethernet or 100Mbps Fast Ethernet network for compatibility, convenience and faster connection. This switch also provides a 100BASE-FX for a secure connection of a server on a fiber network cable.

### Designed for SOHO

The DES-1008F comes in a small compact size designed for use by SOHO with easy installation and high performance. The switch eliminates unnecessary traffic and relieves data congestion by delivering dedicated bandwidth for each of the 8 ports.

### 7 10/100BASE-TX Ports for Plug and Play Connections

Each of the 7 10/100BASE-TX ports supports automatic MDI/MDIX detection, providing true plug and play capability without the need for confusing crossover cables or crossover ports. With the media auto-sensing feature, you can plug in the network cable to the switch directly without the need to worry if the end node is a NIC (Network Interface Card) or switch/hub. The switch also supports flow control and auto-negotiation of half or full duplex transfer modes for each port.

### 100BASE-FX Fiber Port for Server Connection

The switch provides a fiber port capable of transferring data at long cable distance. This port can be used to connect to a server over the reliable fiber cable, or to attach the switch to the network fiber backbone.

### Fast & Reliable Data Transfer

With 802.3x flow control support and fast store-and-forward switching scheme, the DES-1008F gives you secure data transfer with low data latency that prevents error packages from transmitting among segments.

### Key Features

- Cost-effective packet switching network for SOHO
- 7 10/100BASE-TX ports for workstation connection
- 1 100BASE-FX port for fiber connection
- Auto MDI/MDIX for all twisted-pair ports
- Secure store-and-forward switching scheme
- Full/half-duplex support
- 802.3x flow control to minimize packet loss
- Plug-and-play installation
- Compact desktop size

# DES-1008F

## Technical Specifications

## 10/100Mbps Unmanaged Switch

### General

#### Standards

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX/100BASE-FX Fast Ethernet
- ANSI/IEEE 802.3 NWay auto-negotiation
- IEEE 802.3x Flow Control

#### Protocol

CSMA/CD

#### Data Transfer Rates

- **Ethernet:**
  - 10Mbps (half duplex)
  - 20Mbps (full duplex)
- **Fast Ethernet:**
  - 100Mbps (half duplex)
  - 200Mbps (full duplex)

#### Topology

Star

#### Network Cables

- **10BASE-T:**
  - 2-pair UTP Cat. 3, 4, 5 (100 m)
  - EIA/TIA-586 100-ohm STP (100 m)
- **100BASE-TX:**
  - UTP Cat. 5 (100m max.)
  - EIA/TIA-568 100-ohm STP (100m max.)
- **100BASE-FX:**
  - 62.5/125um multimode fiber (2km max.)

#### Full/half Duplex

Full/half duplex for 10/100Mbps speeds

#### Media Interface Exchange

Auto MDI/MDIX for all twisted-pair ports

#### LED Indicators

- Per port: 10/100Mbps speed, Full Duplex/Collision
- Per device: Power

### Performance

#### Transmission Method

Store-and-forward

#### MAC Address Learning

Automatic update

#### Packet Filtering/Forwarding Rates (half duplex)

- Ethernet: 14,880 pps per port
- Fast Ethernet: 148,810 pps per port

### Physical & Environmental

#### DC Input

7.5V/1A

#### Power Supply

Through external power adapter

#### Dimensions

192 (W) x 117 (D) x 32 (H) mm (device only)

#### Weight

314 grams (device only)

#### Operating Temperature

0° to 40 °C

#### Storage Temperature

-20° to 75 °C

#### Operating Humidity

10% to 90% non-condensing

#### Storage Humidity

5% to 90% non-condensing

#### Emission (EMI)

- FCC Class B
- CE Class B
- C-Tick



ACN 052 202 838

## Ordering Information

### Fast Ethernet Switch With Fiber Port

**DES-1008F** 7 10/100BASE-TX ports, 1 100BASE-FX port

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