



## Unmanaged 10/100Mbps Switch With Fast Ethernet Fiber Port

This compact switch is designed for SOHO and the small and medium business (SMB). It provides 7 auto-sensing 10/100Mbps twisted-pair Fast Ethernet ports, plus a 100Mbps Fast Ethernet fiber port for server connection on a longer distance, reliable fiber cable. With plug-and-play installation, this switch provides an easy and cost-effective way to enhance workgroup performance.

The switch supports IEEE 802.3x Flow Control to allow servers to directly connect to the switch for fast, reliable data transfer. At 200Mbps full duplex, the switch provides high-speed data pipes to your servers with minimum data transfer loss.

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### Key Features

- 7 10/100Mbps Nway Ethernet ports
- 1 100BASE-FX Fast Ethernet port
- Full/half duplex transfer mode for each port
- Wire speed reception and transmission
- Store-and-Forward switching method
- Integrated address Look-Up Engine, supports 8K absolute MAC addresses
- Supports 256K bytes RAM for data buffering
- Extensive front-panel diagnostic LEDs

## Technical Specifications

### Standards

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

### Protocol

CSMA/CD

### Topology

Star

### Number of LAN Ports

- 7 x 10/100Mbps Nway MDI-X RJ-45 Ports
- 1 x 100BASE-FX Multimode Fiber Port

### Data Transfer Rates

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

### Network Cables

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

## Performance

### Transmission Method

Store-and-forward

### MAC Address Learning

Automatic update

### Packet Filtering/Forwarding Rates

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

### RAM Buffer

256K Bytes per device

## Office LAN

### Physical & Environmental

#### Power Consumption

12 watts max.

#### DC Inputs

- 5VDC/2.4A

#### Operating Temperature

0° ~ 50° C

#### Storage Temperature

-10° ~ 70° C

#### Humidity

10% ~ 90% non-condensing

#### Storage Humidity

5% ~ 90% non-condensing

#### Dimensions

171 x 98 x 29 mm (W x H x D)

#### Emission

- VCCI-B
- FCC Class B
- CE Mark B

## Ordering Information

### 10/100Mbps Unmanaged Stand-alone Switch

#### DES-1008F

7 RJ-45 10BASE-T/100BASE-TX ports

1 SC 100BASE-FX Fast Ethernet fiber port

please specify one of the following after the model number:

- /A Includes an American standard AC power adapter
- /B Includes a U.K. standard AC power adapter
- /E Includes a German standard AC power adapter
- /N Includes an Australian standard AC power adapter
- /CN Includes a Chinese standard AC power adapter
- /U Includes no AC power adapter

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