



DES-1010G

DES-1010G desktop switch with 8 10/100Mbps ports and 2 copper Gigabit ports

10/100Mbps Switch With Copper Gigabit Ports

This desktop switch offers an economical way for homes and SOHO to benefit from the increased bandwidth of Gigabit Ethernet. It provides 8 auto-sensing Fast Ethernet ports, plus 2 Gigabit port for fast server deployment to meet increasing network load. With plug-and-play installation and copper Gigabit port capable of connecting to your existing Cat. 5 twisted-pair cable, this device instantly enhances your workgroup's performance without requiring you to install expensive fiber cables or go through complex re-configuration.

8 10/100Mbps Ports

The switch comes with 8 Fast Ethernet ports. Supporting auto-sensing 10/100Mbps speeds and full/half duplex auto-negotiable, these ports connect to power workstations and print servers, giving each a dedicated bandwidth. Alternatively, these ports can be used to segment your network into smaller groups inter-connected through Fast Ethernet hubs, enabling better performance of multimedia and imaging applications over the network.

Gigabit Over Copper Twisted-pair

The Gigabit ports provide an inexpensive alternative solution to fiber-optic. Using your existing low-cost Cat. 5 copper twisted-pair wires as the transmission media, these ports allow you to instantly upgrade your servers to Gigabit capability without requiring you to install new, expensive fiber cables.

Full-duplex Gigabit Server Access

The Gigabit ports provide dedicated bandwidths for your servers running at 2000Mbps full-duplex. This gives workstations a bottleneck-free path to simultaneously access server data.

802.3x Flow Control

This allows servers to directly connect to the switch for fast, reliable data transfer. At 2000Mbps full duplex, the switch provides high-speed data pipes to your servers with minimum data transfer loss.

Auto MDI/MDIX for All Ports

Auto MDI/MDIX eliminates the need for cross over cables or uplink ports. Any port can plug to a server, a workstation, a router or another switch, using the usual straight-through twisted-pair cable.

Seamless Integration

The switch integrates seamlessly with your existing network equipment, be it Ethernet, Fast Ethernet or Gigabit Ethernet, dispensing you of the need to replace any hardware or software.

Plug-and-Play Installation

With 10/100Mbps auto-sensing, auto-negotiation for every Fast Ethernet port and auto-sensing 10/100/1000Mbps and auto-negotiation for the Gigabit ports, plus the ability to exist with your Cat. 5 wall wiring, network installation is a breeze. All you need to do is plug the cables to the switch, and your network is up and running in a matter of minutes.

Features

- Inexpensive, quick upgrade switch solution for SMB
- 8 Fast Ethernet ports (Cat. 5 cable)
- 2 10/100/1000Mbps Gigabit ports supporting Cat. 5 cable
- Auto MDI/MDIX for each port
- Secure store-and-forward switching scheme
- Full/half-duplex for Ethernet/Fast Ethernet speeds
- 802.3x Flow Control
- Broadcast storm protection
- Blazing 2000Mbps full duplex for Gigabit ports
- Plug-and-play installation
- Desktop size, rack-mount kit for mounting in 19-inch standard rack provided

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Technical Specifications

10/100Mbps Unmanaged Switch

General

Standards

- IEEE 802.3 10BASE-T Ethernet (twisted-pair copper)
- IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper)
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted-pair copper)
- 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)
- Gigabit Ethernet:
 - 2000Mbps (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, 1000BASE-T:
 - UTP Cat. 5 (100m max.)
 - EIA/TIA-568 100-ohm STP (100m max.)

Full/half Duplex

- Full/half duplex for 10/100Mbps speeds
- Full duplex only for Gigabit speed

Media Interface Exchange

Auto MDI/MDIX for all ports

Twisted-pair Rx Reverse Polarity

Auto-correction

LED Indicators

- Per 10/100Mbps port: 100Mbps speed, Link/Act
- Per Gigabit port: 1000Mbps speed, Link/Act
- Per device: Power

Performance

Transmission Method

Store-and-forward

MAC Address Table

4K entries per device

MAC Address Learning

Automatic update

Packet Filtering/Forwarding Rates (half duplex)

- Ethernet: 14,880 pps per port
- Fast Ethernet: 148,810 pps per port
- Gigabit Ethernet: 1,488,100 pps per port

RAM Buffer

256KB per device

Physical & Environmental

AC Input

100 - 240 VAC, 50/60 Hz
Internal universal power supply

Power Consumption

5.5 watts (max.)

Ventilation

40 x 40 mm DC fan x 1

Operating Temperature

0° - 55° C

Storage Temperature

-10° - 70° C

Humidity

5% - 90% non-condensing

Dimensions

280 x 180 x 44 mm (11 x 7 x 1.7 inches)
Desktop size, 1 U height

Weight

1.47 kg (3.24 lb.)

Emission (EMI)

- FCC Class A
- CE Class A
- C-Tick
- VCCI Class A

Safety

- CUL
- TUV/GS



ACN 052 202 838

Ordering Information

10/100Mbps Switch With Copper Gigabit Ports

DES-1010G 8 10/100Mbps ports, 2 copper Gigabit ports

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