

48-Port Unmanaged Ethernet Switch

With Copper Gigabit Uplinks

- 48 10/100Mbps Ethernet Ports
- 2 Copper Gigabit Uplinks
- Ideal for Large Workgroup Deployment
- Metal Case Mountable in Standard Equipment Rack

FEATURES

- 48 10/100Mbps Copper Ethernet Ports
- 2 10/100/1000Mbps Copper Gigabit Ports
- 13.6Gbps Switch Capacity
- Auto MDI/MDIX for Each Port
- Full/Half-Duplex Support for Each Port
- 802.3x Flow Control Per Port for Data Loss Protection
- Secure Store-and-Forward Switching Scheme
- Standard 19-Inch Rack-Mount Size

The DES-1050G is a high port-density unmanaged 10/100Mbps Ethernet switch designed for cost-effective workgroup connection. Equipped with 48 10/100Mbps ports and 2 1000BASE-T Gigabit ports in a low-profile rack-mountable metal case, this switch provides low-cost connections for 48 workstations, plus 2 Gigabit connections to 2 servers on the twisted-pair network cables.

48 Plug-and-Play Desktop Connections. With 48 10/100BASE-TX ports supporting auto-sensing speeds and auto MDI/MDIX plug-and-play, the DES-1050G provides easy, low-cost connection for 48 desktop computers.

2 Gigabit Connections. The switch provides 2 1000BASE-T Gigabit ports for server connection on the Cat. 5 twisted-pair network cables. These ports can also be used to cascade the switches together to expand the number of ports available for network connections.

Flow Control for Secure Transmission. The switch provides 802.3x standard flow control to minimize dropped packets. It does this by sending out collision signals when the port's receiving buffer is full. This function support allows you to safely deploy Gigabit servers operating at 2000Mbps full duplex mode for simultaneous access from workstations without risk of losing data.



Technical Specifications

General

Standards

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet
- ANSI/IEEE 802.3 Nway auto-negotiation
- IEEE 802.3x Flow Control

Number of Ports

- 48 10/100BASE-TX ports with auto MDI/MDIX
- 2 10/100/1000BASE-T ports with auto MDI/MDIX

Full/Half Duplex Support

- Ethernet/Fast Ethernet: full/half duplex
- Gigabit: full duplex

Flow Control

- Half duplex mode: back pressure
- Full duplex mode: 802.3x flow control

LED Report

Per device:

- Power

Per port:

- Link/Act

Performance

Switch Fabric

13.6Gbps

Transmission Method

Store-and-forward

MAC Address Table

8K entries per device

MAC Address Learning

Automatic update

RAM Buffer

3.2MBit per device

Packet Filtering/Forwarding Rate

- 10BASE-T: 14,880 pps per port
- 100BASE-TX: 148,800 pps per port
- Gigabit: 1,488,000 pps per port

Physical & Environmental

Power Input

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

Power Consumption

24 watts

Dimensions

441 (W) x 309 (D) x 44 (H) mm
19-inch rack-mount width, 1 U height

Weight

3.7 kg

Operating Temperature

0° to 40° C

Storage Temperature

-25° to 55° C

Humidity

0% to 95% non-condensing

Emission (EMI)

- FCC Class A
- CE

Safety

CSA International



D-Link Worldwide Offices

| | | | | | |
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| Europe (U. K.) | TEL: 44-20-8731-5555 | FAX: 44-20-8731-5511 | Hungary | TEL: 36-(0)-1-461-30-00 | FAX: 36-(0)-1-461-30-09 |
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