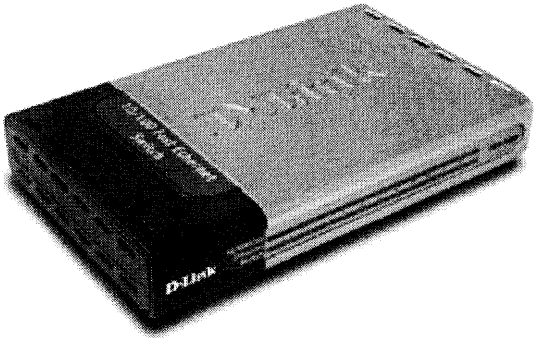# DES-1008D

8-port Unmanaged Stand-alone Dual Speed Switch

D-Link DES-1008D is an unmanaged 10/100Mbps switch designed to enhance small workgroup performance while providing a high level of flexibility. Powerful yet easy to use, this device allows users to simply plug any port to either a 10Mbps or 100Mbps network to multiply bandwidths, boost response time and satisfy heavy load demands.

Features :

8-port 10/100Mbps Auto-sensing
The switch comes with 8 10/100Mbps ports, allowing a small workgroup to flexibly connect to Ethernet and Fast Ethernet and integrate. These intelligent ports detect the network speed and auto-negotiate between 10Base-T and 100Base-TX, as well as between Half and Full-Duplex.

Flow Control for Secure Transmission
The flow control function minimizes dropped packets by sending out collision signals when the port's receiving buffer is full. The flow control is available in the half-duplex mode.

Auto-negotiation of MDI/MDIX Cross Over
All ports support auto-negotiation of MDI/MDIX cross over. This eliminates the need for cross over cables or uplink ports. Any port can simply plug to a server, a hub or a switch, using usual straight-through twisted-pair cable.

SOHO Plug-and-Play
With 8 plug-and-play ports, the switch is a perfect

choice for the small workgroup to upgrade performance in a client/server environment. The ports can be connected to servers in full-duplex or to hubs in half-duplex.

Desktop Power
With low-cost connection per-port, the switch can also be set up for direct connection from the PCs. This relieves data bottleneck by giving each workstation a dedicated bandwidth on the network.

Features Summary :
- 8 10/100Mbps Auto-sensing on All Ports
- Auto-MDII/MDIX on All Ports
- All ports support half/full-duplex
- Flow control for protection against data loss (half-duplex)
- Dynamic buffer allocation for each port
- Auto-learning of network configuration
- Secure store-and-forward switching scheme
- Auto-correction of reverse twisted-pair polarity
- Compact palm-sized

Technical Standards :
- IEEE 802.3 10Base-T Standard
- IEEE 802.3u 100Base-TX Standard
- ANSI/IEEE 802.3 NWay Auto-negotiation
- IEEE 802.3x Flow Control
- 100-ohm Category 3,4,5 (for 10Base-T) and Cat 5 (for 100Base-TX) Unshielded Twisted Pair cable
- EIA/TIA-568 100-ohm Shielded Twisted Pair cable

Protocols :
- IEEE 802.3 Ethernet CSMA/CD
- IEEE 802.3u Fast Ethernet CSMA/CD
- IEEE 802.3x Flow Control

Certifications :
- FCC Class B
- CE Mark
- VCCI Class B

System Features :
- Store-and-Forward Transmission Method
- 2K MAC Address Filtering Table
- 1Mbits RAM Buffer per Device
- 1.6Gbps Backplane
- External AC Power Adapter

Performance Features :

- 10Base-T Half-Duplex Filtering Rate = 14,880 pps per port
- 100Base-TX Half-Duplex Filtering Rate = 148,800 pps per port
- 10Base-T Half-Duplex Forwarding Rate = 14,880 pps per port
- 100Base-TX Half-Duplex Forwarding Rate = 148,800 pps per port

Dimensions :
- 142 x 108 x 32 mm

Operating Temperature :
- 0°C to 50°C

Storage Temperature :
- -10°C to 70°C

Humidity :
- 10% to 90% non-condensing

Power Supply :
- DC 7.5V, 1A

Power Consumption :
- 2 watts (max)