



DES-3225G

24 Ports

10/100Mbps Switch with Gigabit Option

A high-end device in the Fast Ethernet switch range, this 10/100Mbps switch combines a high level of flexibility with manageability. Powerful and versatile, it allows users to plug to any port to eliminate bottlenecks, while giving the administrator the capability to fine-tune the network's performance.

24 Auto-sensing 10/100Mbps Ports

This standalone switch provides a maximum of 24 NWay ports that automatically negotiate between 10BASE-T and 100BASE-TX network speeds, as well as between full and half duplex modes. The available plug-in modules are :

1. 2 port 10/100Mbps board
2. 1 port 100BASE-FX board
3. 2 port 100BASE-FX board
4. 1 port Gigabit Ethernet board

Departmental Connection

The switch is a low-cost solution for departmental connection that can handle network speeds of up to 2000Mbps (full-duplex gigabit Ethernet) and provide high bandwidth to multiple workgroup segments. It can also provide dedicated full-duplex Fast Ethernet links to multiple server farms for bandwidth intensive client-server applications.

User-customizable Filters

With layer 2 switching capabilities in addition to dynamic filtering through auto-learned MAC addresses, the switch also supports static filtering, permitting the administrator to define custom filters to set up network security and implement explicit forwarding.

Industry-standard Management

SNMP agent permits the switch to be part of a larger network with configuration control and traffic monitoring. In addition, remote monitoring capability is built into every segment, allowing easy implementation of RMON. Built-in HTTP server provides an easy-to-use Web-based management interface through a standard web browser.

Broadcast Storm Protection

The administrator can select to forward or discard multicast packets on all or specific segments to flexibly control broadcast data and prevent unnecessary absorption of network bandwidth.

VLAN Support

With virtual LAN support, the administrator can enhance security and create logical workgroups regardless of the users' physical locations. This permits mobile users to simply plug into any wall socket to access the network, while remaining part of their original groups within an organization's structure.

Key Features

- 10.66 Gbps backplane bandwidth
- Flexible, modular design
- Maximum 24 10/100 Mbps ports, 1 Gigabit Ethernet 1000BASE-SX ports module
- Wire speed, non-blocking switching on all ports
- Supports unicasting, multicasting, and broadcasting
- Web-based management through standard web browser
- Supports port trunking and VLANs
- Spanning Tree for redundant path backup
- Terminal program supports Telnet
- Firmware upgradeable through TFTP
- RS-232 console port
- Supports IGMP snooping, port mirroring

10/100Mbps Managed Switch



10/100Mbps Managed Switch



Technical Specifications

General

Standards

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX Fast Ethernet
- IEEE 802.3z 1000BASE-SX Gigabit Ethernet
- IEEE 802.3x full-duplex flow control
- IEEE 802.1p Priority Queue
- IEEE 802.1Q VLAN Tagging

Protocol

CSMA/CD

Data Transfer Rates

- Ethernet:
 - 10Mbps (half duplex)
 - 20Mbps (full duplex)
- Fast Ethernet
 - 100Mbps (half duplex)
 - 200Mbps (full duplex)
- Gigabit Ethernet
 - 1000Mbps (half duplex)
 - 2000Mbps (full duplex)

Topology

Star

Network Cables

- 10BASE-T:
 - 2-pair UTP Cat. 3, 4, 5 (100 m)
 - EIA/TIA-568 100-ohm STP (100 m)
- 100BASE-TX:
 - 2-pair UTP Cat. 5 (100 m)
 - EIA/TIA-568 100-ohm STP (100 m)
- 100BASE-FX
 - Multimode cable ISO/IEC 793-2 type A1a and ITU-T G.652 standards with SC connector
- 1000BASE-SX
 - Multimode cable ISO/IEC 793-2 type A1b and ITU-T G.652 standards with SC connector

Number of Ports

- Maximum 24 Fast Ethernet RJ-45 ports
- Maximum 2 Fast Ethernet Fiberoptic Transceiver ports
- Maximum 1 Gigabit Ethernet Fiberoptic Transceiver ports
- 1 RS-232 management port

10/100Mbps Selection

Auto-negotiation

Full/half Duplex Selection

Auto-negotiation

LED Report

- | | |
|-----------------|---------------|
| - Per port: | - Per system: |
| 100Mbps (speed) | Power |
| Link/activity | Console |
| | Giga |
| | Slot2 |

Performance

Transmission Methods

Store-and-forward

RAM Buffer

- Packet Buffer : 0.5MB per 10/100Mbps port
2MB per 1000Mbps port

Filtering Address Table

- 12K MAC addresses (max.)

MAC Address Table

- Dynamic entries: auto-learned
- Static entries: user-definable

Management

Standards

- SNMP
- IEEE 802.1d Spanning Tree Protocol
- Trivial File Transfer Protocol (TFTP)
- RMON Group 1, 2, 3, 9 (Alarm, Statistics, History, Event)

MIBs

- MIB-II: RFC 1213
- Bridge MIBs: RFC 1493
- RMON MIBs: RFC1757
- D-Link Enterprise MIBs

Console Port

DB-9 RS-232 DCE x 1

Physical & Environmental

AC Input

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

Power Consumption

100 watts max.

Ventilation

40 x 40 mm DC fan x 2

Operating Temperature

0° - 50° C (32°~ 122°F)

Storage Temperature

-25° - 55° C (13°~ 131°F)

Humidity

5% - 95% non-condensing

Dimensions

441 x 367 x 44 mm (17.36x14.45x1.75 inches)

Weight

5 kg (11 lb)

Emission (EMI)

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

Safety

- UL (UL 1950)
- CSA (CSA950)
- TUV/GS (En60950)



ACN 052 202838



LISTED
ITE
E164374
6N81



LR93673

Ordering Information

Stand-alone 10/100Mbps Switches

- | | |
|-------------------|--|
| DES-3225G | 24 10/100Mbps ports, SNMP, RMON agents |
| DES-3225GF | 22 10/100Mbps ports, 1 100BASE-FX fiber port (SC connector), SNMP, RMON agents |

Optional Modules

- | | |
|------------------|--|
| DES-362FM | 2 100BASE-FX fiber ports (MT-RJ connector) |
| DES-3251G | 1 1000BASE-SX Gigabit fiber port |

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