

4-SLOT
MODULAR SWITCH

D-Link[®]
BUILDING NETWORKS FOR PEOPLE

DES-1200M



DES-1200M

DES-12xx means 10/100+1000 Switch

00: default configuration is chassis only

M: Modular Switch

Optional module availability

DES-121T: 1-port Gigabit 1000Base-T Switch Module

DES-121G: 1-port 1000Base-SX Gigabit Fiber Module

DES-124F: 4 ports 100Base-FX(SC) Fiber Module

DES-128: 8-port 10/100Base-TX N-Way Switch Module

Features

- Conforms to IEEE 802.3, 802.3u, 802.3z, 802.3ab, and 802.3x standards
- 4 expansion slots to configure flexible network, module series include:
- 8-port 10/100Base-TX N-Way Switch Module
- 4-port 100Base-FX Fiber Module (SC)
- 1-port 1000Base-SX Gigabit Fiber Module
- 1-port 1000Base-T Gigabit UTP Module
- Supports both half-duplex and full-duplex modes
- Half-duplex mode for backpressure, and full-duplex for flow-control
- Store-and-forward switching architecture for abnormal packet filtering
- Auto-negotiation application, auto-learns networking configuration
- Up to 9.6Gbps Backplane forwarding rate
- 12K entry MAC address table per module
- 5MB memory buffer for switch and 100M fiber modules, 3MB for Gigabit modules
- Auto-negotiation application, auto-learns networking configuration
- LED indicators for 100M, LK/ACT, FD/COL
- Power Consumption 30~ 42Watt depended on modules

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Standards Compliance	IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX/FX Fast Ethernet, IEEE 802.3z 1000BASE-LX/SX Fiber Gigabit Ethernet IEEE 802.3ab 1000BASE-T UTP Gigabit Ethernet ANSI/IEEE standard 802.3 N-Way auto-negotiation
Protocol	CSMA/CD
Max Forwarding Rate and Max Filtering Rate (for 64-byte packets)	14,880 pps per Ethernet port, 148,800 pps per Fast Ethernet port 1,488,000 pps per Gigabit Ethernet port
LED Indicators	Per Port: 8 port N-Way: 100M, LK/ACT, FD/COL (3 LEDs) 100M Fiber: LK/ACT, FD/COL (2 LEDs) Gigabit: LK, ACT, FD, COL (4 LEDs) Per Unit: Power
Network Cables	10Base-T: 2-pair UTP Cat. 3, 4, 5 cable (100m), EIA/TIA-568 100-ohm STP (100m) 100Base-TX: 2-pair UTP Cat. 5 cable (100m), EIA/TIA-568 100-ohm STP (100m) 100Base-FX: 50, 62.5/125 micron multi-mode fiber-optics (2Km) 8,9/125 micron single-mode fiber-optics (60Km) 1000Base-FX: 50, 62.5/125 micron multi-mode fiber-optics (500m) 10/125 micron single-mode fiber-optics (10Km)
Dimensions	440mm x 227mm x 66.5mm (L x W x H)
Operational Temperature	0°C to 45°C (32°F to 113°F)
Operational Humidity	10% to 90% (Non-condensing)
Power Supply	Input rate: 100~240VAC, 50~60Hz Internal universal power supply: DC 3.3V/13A, 5V/4A
Power Consumption	30~42 Watt depended on modules

MODULES

DES-121T

1-port Gigabit 1000Base-T Switch Module



Features

- Compliant with IEEE 802.3ab, IEEE 802.3u, and IEEE 802.3 standards
- Compliant Gigabit Media Independent Interface (GMII)
- 1 x 10/100/1000Mbps N-Way auto-negotiation switch port
- Automatic MDI crossover function
- Up to 2.4Gbps Backplane forwarding rate
- 3MB memory buffer sharing
- 12K-entry Mac Address Table
- Store-and-forward technology for abnormal packet filtering
- Half-duplex and full-duplex modes supported
- LED-indicators for 1000M Link, 100M Link, Activity, and Full-duplex statuses

DES-121G

1-port 1000Base-SX Gigabit Fiber Module



Features

- 1 x 1000Mbps Base-SX Fiber port (SC connector)
- Up to 2.4Gbps Backplane forwarding rate
- 3MB memory buffer sharing
- Dynamic address learning with 12K-entry
- Store-and-forward technology for abnormal packet filtering
- Half-duplex and full-duplex modes supported
- DIP-switches to set 1000M N-way, 1000M Full-duplex, or half-duplex modes
- LED-indicators for LK, ACT, FD, COL statuses
- For establishing fiber link up to 550m (SC Multi-Mode), or 10Km(Single-Mode)

DES-124F

4 ports 100Base-FX(SC) Fiber Module



Features

- Conforms to IEEE 802.3u standard
- 4 x 100Mbps Fiber ports (SC)
- Up to 2.4Gbps Backplane forwarding rate
- 5M memory buffer sharing
- 12K-entry MAC address table
- Store-and-forward technology for abnormal packet filtering
- Half-duplex and full-duplex modes supported
- DIP-switches to set between 100M Full-Duplex and 100M Half-Duplex modes
- Per port LED-indicators for LK/ACT, FD/COL statuses
- For establishing fiber links up to 2Km (Multi-mode)

DES-128

8-port 10/100Base-TX N-Way Switch Module



Features

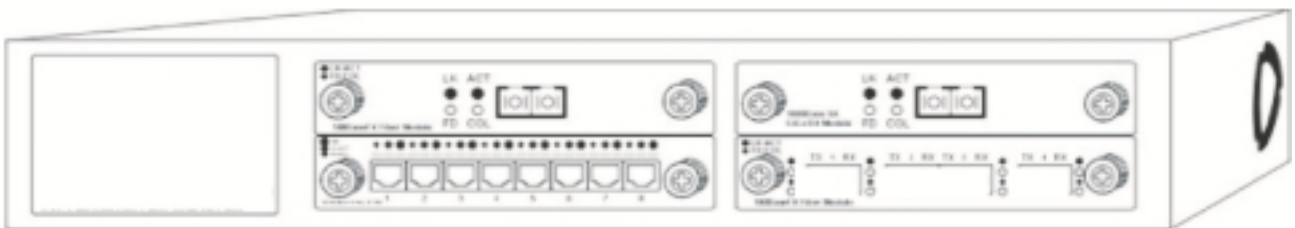
- Conforms to IEEE 802.3, IEEE 802.3u standards
- 8 x 10/100Mbps N-Way auto-negotiation switch ports
- Up to 2.4Gbps Backplane forwarding rate
- 5MB memory buffer sharing
- 12K-entry MAC Address Table
- Store-and-forward technology for abnormal packet filtering
- Half-duplex and full-duplex modes supported
- DIP-switches to set the first 4 ports for Auto-negotiation, 100M Full-duplex, or 10M Full-duplex modes
- LED-indicators for 100M, LK/ACT, FD/COL statuses

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Front Panel



Rear Panel

