

## D-Link DES-3326 Managed Layer 3 Switch



- **High-Performance, High Availability L2/L3 Switching/Routing**
- **Advanced Standards Based Network Management**
- **Four (4) Hardware Priority Queues**
- **Enterprise VLAN Support**
- **Advanced Enterprise IP Multicast Features**

### D-Link Managed Layer 3 Switch with 24 10/100Mbps Fast Ethernet Ports Plus 2 Gigabit Ports\*

D-Link's DES-3326 is a high-performance Managed Layer 3 Switch that provides users with twenty-four (24) 10/100Mbps Fast Ethernet ports with support for an optional two port GBIC (Gigabit Interface Converter) module for fast connection speeds and flexibility. The DES-3326 establishes a new price/performance point in its product category by blending the latest advancements, ASIC design and manufacturing.

The D-Link DES-3326 provides twenty-four (24) 10/100 ports and enables high performance workgroups/departments multi-Gigabit connections to servers and other switches.

By supporting standards-based network management protocols, the DES-3326 can

be easily integrated into many third-party network management packages such as HP Openview, CiscoWorks & Optivity.

The D-Link DES-3326 can simultaneously forward layer 2 and layer 3 traffic across all ports, optimizing the transport of all of your business critical data. Utilizing an 8.8Gbps switch fabric and support for 8,000 MAC addresses, the DES-3326 has a fully wire-speed, non-blocking architecture to support all of your next generation applications. Advances in ASIC design and product engineering enable the D-Link DES-3326 to route IP traffic in excess of 6.6Mpps, outperforming more expensive multi-protocol software-based routers in its class.

\* With optional Gigabit module

#### The D-Link DES-3326 Includes

Layer 3 Switch  
Instruction Manual  
Power Cable  
Rack Mounting Accessories

# Technical Specifications

## General Standards

- IEEE802.3 10BASE-T Ethernet (twisted-pair copper)
- IEEE802.3u 100BASE-TX Fast Ethernet (twisted-pair copper)
- ANSI/IEEE802.3 Auto-negotiation
- IEEE802.3x Flow Control
- IEEE802.1p Priority Queues
- IEEE802.1q VLAN
- IEEE802.1d Spanning Tree

## Protocol

CSMA/CD

## Data Transfer Rate

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

## Network Cables

- *10BASE-T*: 2-pair UTP Cat.3, 4, 5(100 m)  
EIA/TIA-586 100-ohm STP(100m)
- *100BASE-TX, 1000BASE-T*: UTP Cat.5  
(100 m max.)EIA/TIA-568 100-ohm  
STP (100 m max.)
- *1000BASE-SX*: 50/125-micron multi-  
mode fiber-optics (500 m max.)  
62.5/125-micron multi-mode fiber-optics  
(275 m max.)
- *1000BASE-LX*: 9-micron single-mode  
fiber-optics (5 km max.)

## Full/Half Duplex

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

## Media Interface Exchange

MDI-II/MDI-X uplink port on Port (1)

## Performance Switch Fabric

8.8Gbps

## Packet Forwarding Rate

6.6Mbps

## Switching Method

Store-and-forward

## Routing Protocols

RIP-1, RIP-2, OSPF\*

## MAC Address Table

8K entries per device

## IP Address Routing Table

2K entries per device

## RAM Buffer

16MB per device (excluding optional modules)

## IEEE 802.1p Priority Queues

4 queues

## RMON

1, 2, 3, 9 (Alarm, Statistics, History, Events)

## MIBs

- MIB-II (RFC 1213)
- Bridge MIBs (RFC 1493)
- RMON MIBs (RFC 1757)
- VLAN MIBs (RFC 2674)
- IF MIBs (RFC 2233)
- IF-Forward MIBs (RFC 2096)
- RIP-2 MIBs (RFC 1724)
- IGMP MIBs
- ID\_REC MIBs
- IPMROUTE MIBs
- PIM MIBs
- DVMRP MIBs

## IP Number Self-Identification

Through DHCP client, BOOTP client

## Console Port

DB-9 RS-232

## Physical & Environmental Ventilation

(2) 40 x 40 x 10mm DC fans

## Power Consumption

35 watts max.

## Weight

2.8kg (6.2 lb.)

## Dimensions

- 441 x 210 x 43 mm (17.3 x 5.3 x 1.7 inches)
- 19-inch rack-mount width, 1U height

## Power Supply

- 100 - 240VAC 50/60Hz internal universal power supply
- Socket for connection to RPS

## Operating Temperature

0° - 50° C ( 32° - 122° F )

## Storage Temperature

-25° - 55° C (-13° - 131° F )

## Emission

- FCC Class A/ICES-003 (Canada)
- CE Class A (EN55022, EN50082-1)
- C-Tick (AS/NZS 3548)
- VCCI Class A ITE - BSMI (CNS 13438)

## Safety

- IEC 950 (CB)
- UL 1950 (CB)
- TUV (EN60950)

## Ordering Information

10/100Mbps Managed Layer 3  
Switch with Gigabit

### DES-3326 (24) 10/100/1000Mbps Switch

#### Optional Modules:

- DES-132G 1000Base-SX, (2) port SC
- DES-132GB 1000Base-X, (2) GBIC
- DES-132GL 1000Base-LX, (2) port SC
- DES-332T 1000Base-TX, (2) port RJ-45



# D-Link®

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