

Business and Enterprise Solutions

DES-3526 DES-3526DC



FEATURES

High Performance Switching:

- 8.8Gbps Switching Capacity
- D-Link Single IP Management
- Stackable Up to 32 Units
- Bandwidth Management Control
- 802.3ad (Link Aggregation)
- 802.1w (Rapid Spanning Tree)
- 802.1s (Multiple Spanning Tree)
- Redundant Power Supply Support²
- -48V DC Power Version Available

Network Management:

- Console
- Telnet
- SNMPv1/v2c/v3 Support
- RMON (4 Groups)
- Web
- Port Mirroring

Advanced Standards Based Enterprise Features:

- 802.1p Priority (4 Queues)
- L2/L3/L4 QoS
- 802.1x (Port/MAC Based)
- 802.1Q VLANs (port-based, up to 255 Groups)
- IGMP Multicast
- L2/L3/L4 Access Control Lists

Stackable Layer 2 Switch

Managed 24-Port 10/100Mbps plus (2)

Combo 10/100/1000Mbps Copper/SFP slots

D-Link's DES-3526/DES-3526DC is a high-performance, managed, stackable Layer 2 switch that provides an ideal solution for workgroups and departments. The D-Link Single IP Management (SIM) allows clustering of a virtual stack up to 32 DES-3526/DES-3526DC SIM supported switches¹ and/or DES-3550 dispersed switches with fewer distance limitation through a single IP address. The clustering environment spans buildings, making it perfect for business that requires multiple building deployment. The (24) 10/100Mbps Fast Ethernet ports allow desktops to access network resources through flexible 2 Gig uplinks. The entire virtual stack can be managed via a single IP address for simplified network administration.

High-Performance, High Availability L2 Switching

Utilizing an 8.8Gbps switch capacity and support for 8,000 MAC addresses, the DES-3526 is a wire-speed, high performance switch ideal for workgroups or departments. The DES-3526 supports port trunking with up to 6 trunk groups with 2 to 8 ports in each group per stack. Port trunking enables business users to increase availability and aggregated bandwidth between servers and/or other switches, optimizing the transport of business critical data. The DES-3526 can utilize either the 10/100Mbps or the 1 Gbps port to interconnect up to 32 units within a virtual stack.

Investment Protection

By widely supporting IEEE approved specifications, the DES-3526 leverages your existing investment in a multi-vendor environment, while maximizing compatibility of mission critical features such as, Spanning Tree (802.1d), QoS (802.1p/DiffServ/TCP&UDP port number), VLANs (802.1Q), and network management (SNMP/RMON/BOOTP/Telnet/Web). The DES-3526 robust support of standards-based network management protocols (SNMP/RMON/BOOTP/Telnet/Web/TFTP) and port mirroring enables the DES-3526 to be easily integrated into many third-party network management packages. The DES-3526 also supports redundant power when combined with the DPS-200 60 Watt Redundant power Supply unit.²

Advanced Enterprise Features

The DES-3526 brings advanced enterprise functions to a more affordable level while supporting advanced features: D-Link Single IP Management, Dual Images, L2/L3/L4 (QoS), 802.1x (Port-based Authentication), 802.1x (MAC-based Authentication) IGMP snooping, 802.1w (Rapid Spanning Tree), 802.1s (Multiple Spanning Tree group), 802.3ad (Link Aggregation), and 802.1q (VLANs). L2/L3/L4 (ACLs) can be configured based on: Protocol type, 802.1p, DSCP, MAC Address, IP Address, and/or TCP/UDP Port Number. These features facilitate the deployment of enterprise applications such as: VOIP, streaming media, and multicast content delivery (IP video conferencing and software deployment). In addition, D-link also offers a -48V DC power version for implementation where AC power is not an option.

¹ SIM switches are DES-3526/DES-3526DC, DGS-3224TGR, xStack, DES-6500
² Not Available on DES-3526DC Model



DES-3526 DES-3526DC

Technical Specifications

Product specifications

DES-3526	(24) ports 10/100BASE-T plus 2 Combo 10/100/1000Mbps Copper/ SFP ports ¹ with optional redundant power supply
DES-3526DC	-48V DC (24) ports 10/100BASE-T plus 2 Combo 10/100/1000Mbps Copper/ SFP ports ³
MAC Address Table Size	8,000
Switch Fabric	8.8Gbps switching capacity
Transmission method	Store-and-Forward
Spanning Tree Support	802.1d, 802.1w and 802.1s support
VLANs	Supports up to 255 Dynamic/ 64 Static VLAN groups (Port-based, Asymmetric Port Based, 802.1q and GARP/GVRP)
Access Control Lists	L2/L3/L4 filtering rules based On MAC address, IP Address, 802.1p, DSCP, TCP/UDP payload, and/or TCP/UDP port numbers
Link Aggregation	802.3ad and LACP support
Port Security	Port lock down to MAC Address
IGMP Snooping	Supports up to 128 L2 Multicast Groups

Interface Options

RJ-45	10BASE-T, 100BASE-TX & 1000BASE-T
SFP	Support For Standard 3.3 Volt SFPs

Network Management

In Band & Out of Band	Telnet, CLI/Console, RMON (4 Groups), Web-based HTTP, SNMPv1/v2c/v3 Compatible & Port Mirroring
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Network Protocols and Standards

IEEE	802.3 Ethernet, 802.3u Fast Ethernet, 802.3ad Gigabit Ethernet, 802.1d Spanning Tree, 802.1w Rapid Spanning Tree, 802.1s Multiple Spanning Tree Group, 802.1p Priority Tags, 802.1Q VLANs, 802.3ad Link Aggregation Control, 802.3x Flow Control, 802.1x Port-based Network Access Control, and 802.1x MAC-based Network Access Control
IETF	RFC 1157 SNMP, RFC 1757 RMON (4 Groups), RFC 1493 Bridge MIB, RFC 1213 MIB II, RFC 1643 Ether-like MIB, RFC 2674 802.1p, IF MIB

Electrical & Emissions Summary

Emissions	CE Mark, & FCC Class A, C-Tick, VCCI Class A
Power Supply (DC version)	60W DC Power Input; -48 V, output 12V. Internal universal power supply
Power Supply (AC version)	100-120, 200-240VAC, 50/60 Hz internal universal power

Safety Agency Certifications and Environmental

Safety	CSA International
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Physical Specifications

Dimensions	441(W) x 207(D) x 44(H)mm (17.36 x 8.26 x 1.69 inches) 19-inch rack-mount width
Height	1U
Weight	4.0 kg (8.89 lb.)
Temperature	Operating: 0° - 40° C (32° - 104° F) Storage: -40° - 70° C (-40° - 158° F)
Humidity	Operating: 5% to 95% RH, Non-Condensing

Warranty and Support Information

Warranty	Limited Lifetime Warranty
Support	Free Technical Support

Ordering Information

<u>Part Number</u>	<u>Description</u>
DES-3526	Managed stackable Layer 2 switch with (24) 10/100Base-TX ports , plus (2) combo 10/100/1000 Copper/SFP ports ¹ with optional redundant power supply
DES-3526DC	-48V DC Managed stackable layer 2 switch with (24) 10/100Base-T ports , plus 2 10/100/1000 Copper/SFP ports ³
DEM-310GT	1000BASE-LX 3.3V Mini GBIC/SFP (Multimode) Up to 10km (Singlemode)
DEM-311GT	1000BASE-SX 3.3V Mini GBIC/SFP Up to 220m/550m (Multimode)
DEM-312GT2	1000BASE-SX+ 3.3V Mini GBIC/SFP Up to 2km (Multimode)
DEM-314GT	1000BASE-LH 3.3V Mini GBIC/SFP Up to 50km (Singlemode)
DEM-315GT	1000BASE-ZX 3.3V Mini GBIC/SFP Up to 80km (Singlemode)
DPS-200	60watt Redundant Power Supply unit
DPS-800	2 slot 19inch Rackmount Chassis support up to 2 RPSU units

¹ Use Of The Combo SFP Expansion Slot Disables The Use Of The Corresponding 10/100/1000Mbps Port (See Manual For Additional Details)