DES-3250TG

FEATURES

High Performance Wire-Speed Architecture:
- Up To 13.6Gbps Switching Capacity
- Full Wire-Speed On All Ports

Standards-Based Network Management:
- CLI/Telnet/SNMP/RMON/Web
- Port Mirroring

Advanced Standards-Based Enterprise Features:
- 802.1p Priority (4 Queues)
- 802.1q VLANs Up To 255
- IGMP Snooping
- 802.3ad (Link Aggregation)
- DiffServ
- 802.1x (Authentication)
- 802.1w Rapid Spanning Tree
- Bandwidth Control
- Access Control Lists

Investment Protection:
- Standards-Based Support
- Low Profile 1U Design

Features Based On Firmware Revision 3.00-B05

Layer 2 Switch
Managed 48 Port 10/100Mbps +
2 Combo 10/100/1000Mbps SFP Slots

D-Link's DES-3250TG is a high performance managed Layer 2 auto-sensing 10/100BASE-T switch that provides an ideal solution for high density Enterprise applications. With (48) 10/100Mbps Ethernet ports and (2) combo 10/100/1000Mbps/SFPs (mini-GBIC) slots, the DES-3250TG is designed to meet the needs of the most demanding departmental and enterprise connectivity applications requiring a high density, low profile solution.

High Performance Wire-Speed Architecture
The DES-3250TG supports full-duplex wire-speed forwarding, 8,000 MAC addresses, 255 VLANs, and the ability to prioritize traffic into (4) priority queues. The DES-3250TG can be used as a cost effective, high density wiring closet solution or a high performance backbone aggregation device.

Network Management
D-Link's DES-3250TG looks to address today's diverse business and IT requirements through its robust support of standards-based network management protocols (CLI/SNMP/RMON/BOOTP/Telnet/Web) and port mirroring. By supporting standards-based network management protocols, the DES-3250TG can be easily integrated into most third-party network management products.

Advanced Enterprise Features
The DES-3250TG brings advanced Enterprise functions to a new level of affordability without compromising advanced features like: 802.3ad (link aggregation), 802.1x (authentication), QoS/CoS, Multicast, VLANs, Port Trunking, and Network Management. These features facilitate the deployment of business critical applications across an Enterprise, including: VOIP, streaming media, and multicast content delivery (IP video, software deployment…etc).

Investment Protection
With its wire-speed architecture and high density, low profile 1U design, the DES-3250TG is an ideal solution for today's over crowded wiring closets. By supporting SFP/mini-GBIC modules, customers can migrate to other, more advanced solutions in the future, while still protecting a portion of their original investment.

Product Data Sheet

D-Link®
Building Networks for People

DES-3250TG

Managed (48) Port 10/100Mbps + (2) Combo 10/100/1000Mbps SFPs
High Performance Stand-Alone Workgroup/Departmental Switching

Technical Specifications

Product/Performance Specifications
DES-3250TG
Feature Summary:

MAC Address Table Size	8,000 Addresses Per Device
Switch Fabric	Up to 13.6Gbps
Layer 2 Fowarding Rate	Over 10.1Mbps (64 Byte Frames)
Switching Method	Store-And-Forward
Packet Buffer Memory	64MBytes Shared
VLANs	Asymetric VLANs/Port Port Based/802.1q - Up to 255 Static Groups and/or Dynamic Groups
QoS (802.q/DiffServ/TOS)	4 Hardware Priority Queues (L2/L3/L4 QoS Policies)
Multicast Table Size	64 Static Groups/128 Dynamic Groups
Access Control Lists (ACL)	L2/L3/L4 Access Control Support (Global)
Traffic Segmentation	Port Based Traffic Segmentation

Interface Options

RJ-45	(48) Ports 10BASE-T, 100BASE-TX + (2) Combo 1000BASE-T mini-GBIC/SFP Slots***
Optional SFP/mini-GBIC Slot	Media Support Dependent On SFP/mini-GBIC Transceiver

Network Management

In Band & Out of Band	Telnet, CLI/Console, RMON (Stats/History/Alarms/Events), Web-based HTTP, SNMPv.1/v3, SYSLOG, Simple Network Time Protocol (NTP), & Port Mirroring

Network Protocol and Standards

IEEE	802.3 Ethernet, 802.3u Fast Ethernet, 802.3ab Gigabit Ethernet, 802.1d Spanning Tree, 802.1p Priority Tags (4 Queues), 802.1q VLAN, GARP/GVRP, 802.3ad (Static Mode/LACP), 802.1ad Link Aggregation Control Protocol, 802.1d Spanning Tree, 802.1w Rapid Spanning Tree, & 802.1x Authentication (MAC & Port Based)
IETF	RFC 1157 SNMP, RFC 1757 RMON (4 Groups), RFC 1493 Bridge MIB, RFC 1213 MIB II, RFC 826 ARP, RFC 854 Telnet, RFC 783 TFTP, RFC 1542 BootP, IGMP Snooping, DiffServ & RFC 2131 BootP/DHCP Client

Electrical & Electrical Emissions

Emissions	CE Mark Class A, FCC Class A, BSMI Class A, C-Tick
Power Supply	100-240VAC, 50/60 Hz Internal Universal Power
Fans	(2) 40x40x10mm DC Fans

Safety Agency Certifications and Environmental

Safety	CSA International
Temperature	Operating: 0° - 40° C (32° - 104° F)
Storage	-40° - 70° C (-40° - 158° F)
Humidity	Operating: 5% to 95% RH, Non-Condensing

Physical Specifications

Dimensions (W x D x H)	441 x 309 x 44 mm (17.36 x 12.17 x 1.73 inches) 19-inch rack-mount width, 1U height

Warranty and Support Information

Warranty	Limited Lifetime Warranty for as long as the original customer/end user owns the product, or five years after product discontinuance, whichever occurs first (excluding power supplies and fans) Power supplies and fans carry a limited 3 year warranty.
Support	Free Technical Support

Ordering Information

Part Number	*Description*
DES-3250TG	Managed Layer 2 Switch with (48) 10/100BASE-T Ports + (2) combo SFP/min-GBIC***
DEM-310GT	1000BASE-LX SFP/mini-GBIC Up to 10km (Singlemode) or Up To 550m (Mulitmode)
DEM-311GT	1000BASE-SX SFP/mini-GBIC Up to 220m (Multimode)
DEM-312GT2	1000BASE-SX+ SFP/mini-GBIC Up to 2km (Multimode) {Requires: DEM-310GM2/DEM-312GT2}
DEM-314GT	1000BASE-LX SFP/mini-GBIC Up to 50km (Singlemode)
DEM-315GT	1000BASE-LX SFP/mini-GBIC Up to 80km (Singlemode)

Please Visit http://support.dlink.com For More Information
*** Use of the combo SFP slot disables the use of the corresponding 10/100/1000Mbps port