

PRODUCT DATASHEET



PRODUCT:	DES-3226TG
PRODUCT NAME:	26-Port Gigabit Uplink Managed Switch Bundle
KEY FEATURES:	<ul style="list-style-type: none"> 24x 10/100Mbit NWay TP (RJ-45) Fast Ethernet 2x 10/100/1000 Mbit NWay TP (RJ-45) Gigabit Auto-Uplink MDI-II/MDI-X for each port Full-/Half-Duplex Data Transfer Mode 9.6 Gbit Switch Fabric 802.3x Flow-Control at Full-Dplex, Back-Pressure Flow-Control for Half-Duplex 802.1D STA and 802.1w Rapid Spanning Tree Protocol 802.1Q VLANs, Port VLANs 802.3ad Trunking, max. 48 loadsharing Multilink Trunks per Stack, max. 8 Gigabit Ports in one MultiLinkTrunk QoS, 4x IEEE 802.1p Priority Queues IGMP Snooping f. Multicast, Broadcast Storm Protection 802.1x Port-based Network Access Control Bandwidth Control, Traffic Segmentation
BID TEXT:	<p>D-Link 24-Port Stack Switch pre-installed 2-Port Gigabit Twisted-Pair Module DES-132T in standalone Configuration, Auto-Uplink MDI-II/MDI-X, max. 8 Switches per Stack, max. 144x 10/100 Mbit Nway TP (RJ-45) Ports per Stack, max. 8 GBIC-Slots per Stack, 9.6 Gbit Switch Fabric, IEEE 802.3x Flow-Control, IEEE 802.1Q VLANs, Port VLANs, max. 48 Trunks per Stack, max. 8x Fast Ethernet Ports in one Trunk, max. 6 loadsharing Multilink Trunks per Switch, max. 8 Gigabit Ports in one Trunk, QoS, 4x IEEE 802.1p Priority Queues, IGMP Snooping f. Multicast, Broadcast Storm Protection, IEEE 802.1x Port-based Network Access Control, SNMPv1 & SNMPv3, RMON (1,2,3,9), Bandwidth Control, Traffic Segmentation, SYSLOG, ACL, WEB-Management, CLI, 1 Expansion slot f. one opt. Module, opt. Stack Module incl. Stacking Cables, opt. 2-Port Gigabit Modules f. Standalone Configuration, 5 years warranty</p>
WHY TO BUY D-LINK	<ul style="list-style-type: none"> 2 TP Gigabit Uplink-Ports for Server and Backbone Connections pre-installed Flexible usage as Standalone- and im Stack-Switch (with opt. Stack-Module DES-332GS) Quality-of-Service Data Transfer 802.1x ACL Access Control directly at each Workgroup switch port Bandwidth Management Full Management through command line (CLI), WEB-Interface and SNMP-Protocols (D-View)
TECHNICAL DETAILS:	<p>Data Transfer Rates</p> <ul style="list-style-type: none"> - 10, 100 Mbps (half duplex) - 20, 200, 2000 Mbps (full duplex) <p>Basic Configuration</p> <ul style="list-style-type: none"> - 24 auto-sensing 10/100Mbps ports (built-in) - 1 module slot <p>Switch Fabric</p> <p>9.6 Gbps</p> <p>LED (per device)</p> <ul style="list-style-type: none"> - Power - Console <p>Built-in Ports Supported Functions</p> <ul style="list-style-type: none"> - IEEE 802.3 10BASE-T/802.3u 100BASE-TX standards - Full/half duplex support with ANSI/IEEE 802.3 NWay auto-negotiation - IEEE 802.3x Flow Control in full-duplex, back pressure in half-duplex - MDI-II/MDI-X auto-sensing for all twisted-pair ports

- Auto-correction of twisted-pair Rx reverse polarity
- Port trunking: up to 8 ports per trunk, up to 8 trunks per switch
- 10BASE-T cables:
UTP Cat. 3, 4, 5 (100 m max.)
- 100BASE-TX cables:
UTP Cat. 5 (100 m max.)
- LED report (per port):
10/100Mbps speed
Link/Act

VLAN

- IEEE 802.1Q Tagged VLAN
- Port-based VLAN
- Number of VLANs: 255 per device (max.)

Priority Queues (CoS)

- Standard: IEEE 802.1p
- Number of queues: 4

Spanning Tree

- Standard: IEEE 802.1D
- IEEE 802.1W Rapid Spanning Tree

Multicast

- IGMP v2
- IGMP Snooping

Traffic Classification (CoS)

Can be based on user-definable application types:

- TOS
- Diffserv (DSCP)
- Port-based
- MAC address
- IP address
- TCP/UDP port number

Network Access Management

- Port security features
- 802.1x user authentication
- RADIUS client
- Multi-layer ACL based on:
TOS
Diffserv (DSCP)
MAC address
IP address
User-definable applications

MultiLink Trunking (MLT)

A multi-link is defined as trunked ports spanning multiple units of the stack for fail-safe connectivity to mission-critical servers and the network center.

- *Number of Fast Ethernet ports per trunk: 8 (max.)*
- *Number of Fast Ethernet ports per multi-link trunk: 8 (max.)*
- *Number of Gigabit ports per multi-link trunk: 8 (max.)*
- *Number of trunks per switch: 6 (max.)*
- *Number of trunks per stack: 48 (max.)*
- *Number of multi-link trunks per stack: 8 (max.)*
- *Operation mode: load sharing*

Gigabit Port Trunks

- Number of ports per trunk: 8 (max.)
- Number of trunks per stack: 6 (max.)
- Operation mode: load sharing

Transmission Method

Store-and-forward

MAC Address Table

8K entries per device

MAC Address Learning

- Dynamic entries: automatic update
- Static entries: user-defined

Packet Filtering/Forwarding Rates (half duplex)

- Ethernet: 14,880 pps per port
- Fast Ethernet: 148,810 pps per port
- Gigabit Ethernet: 1,488,100 pps per port

RAM Buffer

8MB per device (excluding optional modules)

Management Support

- SNMP-based management v.1, v.2c, v.3
- Web-based management
- CLI (command line interface)
- RMON monitoring
- Telnet (up to 8 sessions)
- Bandwidth control

	<p>MIBs</p> <ul style="list-style-type: none"> - MIB-II (RFC 1213) - Bridge MIB (RFC 1493) - RMON MIB (RFC 1757) - 802.1Q VLAN MIB (RFC 2674) - IGMP MIB (RFC 2833) - If MIB (RFC 2233) - Ethernet-like MIB (RFC 2358) - dot3statsTable - D-Link enterprise MIB <p>RMON Groups</p> <p>1, 2, 3, 9 (Alarm, Statistics, History, Event)</p> <p>IP Number Self-identification</p> <p>Through DHCP client, Bootp client</p> <p>Console Port</p> <p>DB-9 RS-232 DCE</p> <p>Internal universal power supply</p> <p>100 - 240 VAC, 50/60 Hz</p> <p>Power Consumption</p> <p>29 Watts (max.)</p> <p>Ventilation</p> <p>40 x 40 mm DC fans x 2</p> <p>Operating Temperature</p> <p>- 0 - 50 °C</p> <p>Storage Temperature</p> <p>-25 - 55 °C</p> <p>Humidity</p> <p>5% - 95% non-condensing</p> <p>Emission (EMI)</p> <ul style="list-style-type: none"> - FCC Class A - CE Class A - C-Tick Class A - VCCI Class A - BSMI Class A <p>Safety</p> <p>CSA International</p>
PACKAGE CONTENTS:	Switch, ML-QIG, CD (Manual), DE & UK power cordsl, Rackmount Kit, DES-132T pre-installed
RETAIL:	No
UPC CODE:	7.90069.26544.0
UNITS PER CARTON:	5
DIMENSIONS AND WEIGHT:	441 x 210 x 43 mm, 2,685 Kg (Device) 555 x 305 x 95 mm, 4,3 Kg (Box) 525 x 325 x 495 mm, 22,2 Kg (Carton)
REVISION:	C1
PSU & COUNTRY VERSION:	/BE
COUNTRY OF ORIGIN:	CN
COUNTRY RELEASE:	D, A, CH, EEC
OPT. ACCESSORIES:	DES-332GS, DES-132x Modules replacing the DES-132T
AVAILABLE:	Week 10 to week 22, 2004

D-Link GmbH, Product Marketing Management, 25. February 2004