

PRODUCT DATASHEET



PRODUCT:	DGS-1216T
PRODUCT NAME:	16-Port Gigabit Smart Switch
KEY FEATURES:	<ul style="list-style-type: none"> • Increased Bandwidth for Servers and Backbone • 14x 10/100/1000 Mbps NWay TP (RJ45) Ports • 2x Combo 10/100/1000 Mbps TP (RJ-45) / 1000 Mbps Fiber (Mini-GBIC) Expansion Ports for opt. Mini-GBIC Transceiver • Auto-Uplink MDI/MDIX for all ports • Full-Duplex and Flow-Control • Port based VLAN • 802.1p Priority Queuing • Port Trunking up to 8 ports • Web-Smart Configuration Utility
BID TEXT:	D-Link 16-Port Gigabit Smart Switch DGS-1216T, 14x 10/100/1000 Mbit TP (RJ-45) Ports, 2x Combo 10/100/1000 Mbit TP (RJ-45) / 1000 Mbit Fiber (Mini-GBIC) Ports for opt. Mini-GBIC Transceivers, Auto-Uplink MDI/MDIX for all ports, Twisted-pair Rx Reverse Polarity Auto-correction, ANSI/IEEE 802.3 NWay auto-negotiation, Full-Duplex and Flow-Control, Store-and-forward Switching, Port based VLAN, 802.1p Priority Queuing, Port Trunking up to 8 ports, 4K MAC address table entries per device, Automatic MAC Address Table Update, 272KB RAM Buffer per device, Universal Internal Power Supply, 100 - 240 VAC 50/60 Hz, Central Configuration & Management through "Web-Smart" utility, 2 Years Warranty
WHY TO BUY D-LINK	<ul style="list-style-type: none"> • Use of existing Twisted-Pair Copper Cables (Cat.5e) for high Bandwidth Backbone and Server connections • Seamless Integration into existing Network Infrastructure with 10/100 Mbit Downlinks and 1000 Mbit Fiber Uplinks • Auto-Uplink of Twisted-Pair Connections regardless if they are straight-through or cross-over patch cabling • Inexpensive Upgrade to Gigabit Bandwidth without wasting time for reconfiguration • Maximal Speed of 2000 Mbit flow-controlled and in full-duplex mode for all 16 Ports • Structured Network Configuration through Port based VLAN and Port Trunking • Central Configuration & Management through "Web-Smart" Utility
TECHNICAL DETAILS:	<p>Standards</p> <ul style="list-style-type: none"> - IEEE 802.3 10BASE-T Ethernet (twisted-pair copper) - IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) - IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted-pair copper) - IEEE 802.3z Gigabit Ethernet (fiber) - ANSI/IEEE 802.3 NWay auto-negotiation - IEEE 802.3x Flow Control <p>Number of Ports</p> <ul style="list-style-type: none"> - 16 10BASE-T/100BASE-TX/1000BASE-T ports - 2 combo SFP (Mini GBIC) - 1 RS-232 console port <p>Mini GBIC (SFP) Support</p> <ul style="list-style-type: none"> - IEEE 802.3z 1000BASE-LX (DEM-310GT transceiver) - IEEE 802.3z 1000BASE-SX (DEM-311GT transceiver) <p>Protocol</p> <p>CSMA/CD</p> <p>Data Transfer Rates</p> <ul style="list-style-type: none"> - 10, 100Mbps (half duplex) - 20, 200, 2000Mbps (full duplex) <p>1000BASE-T Network Cables</p> <ul style="list-style-type: none"> - UTP Cat. 5, Cat. 5e (100 m max.) - EIA/TIA-568 100-ohm STP (100 m max.)

	<p>Full/half Duplex</p> <ul style="list-style-type: none"> - Full/half duplex for 10/100Mbps speeds - Full duplex for Gigabit speed <p>Media Interface Exchange</p> <p>Auto MDI/MDIX adjustment for all ports</p> <p>LED Indicators</p> <ul style="list-style-type: none"> - Per port: Link/Act, Speed - Per device: Power <p>VLAN</p> <ul style="list-style-type: none"> - Port based VLAN - Maximum number of VLAN: 8 per device <p>Class of Service (CoS)</p> <ul style="list-style-type: none"> - 802.1p Priority Queues - Maximum number of queues: 2 <p>Port Trunk</p> <ul style="list-style-type: none"> - Maximum number of ports per trunk: 8 - Maximum number of trunks per device: 8 <p>Management & Configuration</p> <ul style="list-style-type: none"> - Web-based configuration - Command Line Interface (through RS-232 console port) <p>Transmission Method</p> <p>Store-and-forward</p> <p>MAC Address Table</p> <p>4K entries per device</p> <p>MAC Address Learning</p> <p>Automatic update</p> <p>Packet Filtering/Forwarding Rates (half duplex)</p> <p>Maximum 1,488,095 pps per port</p> <p>RAM Buffer</p> <p>272KB per device</p> <p>Internal universal power supply</p> <p>100 to 240 VAC, 50/60 Hz</p> <p>Power Consumption</p> <p>33.3 watts (max.)</p> <p>Operating Temperature</p> <p>0° to 40° C</p> <p>Storage Temperature</p> <ul style="list-style-type: none"> o o -25 to 55 C <p>Operating Humidity</p> <p>5% to 95% non-condensing</p> <p>Storage Humidity</p> <p>0% to 95% non-condensing</p> <p>Emission (EMI)</p> <ul style="list-style-type: none"> - FCC Class A - CE Class A - C-Tick Class A <p>Safety</p> <p>CSA International</p>
PACKAGE CONTENTS:	Switch, 19 inch rackmount kit, printed multilanguage Quick Installation Guide, CD-Manual, German & UK powercord
RETAIL:	No
UPC CODE:	7.90069.26148.0
UNITS PER CARTON:	4
DIMENSIONS AND WEIGHT:	440 x 210 x 44 mm, 2.72 Kg (Device) 630 x 307 x 96 mm, 3.35 Kg (Box) 645 x 405 x 330 mm, 14.6 Kg (Carton)
REVISION:	B1
PSU & COUNTRY VERSION:	/BE
COUNTRY OF ORIGIN:	CN
COUNTRY RELEASE:	D, A, CH, EEC
OPT. ACCESSORIES:	DEM-311GT, DEM-310GT
AVAILABLE:	March 2004

D-Link GmbH, Product Marketing Management, 26. February 2004