



High Performance Wire-Speed Architecture:

- + 32Gbps Switching Capacity
- + Non-Blocking Architecture
- + 4,000 MAC Address Table
- + 2 Hardware Priority Queue
- + Port-based QoS
- + Port-based VLAN
- + Link Aggregation
- + Port Mirroring
- + Port Setting (Speed, Availability, Flow Control)
- + Web-based Management
- + Auto Discovery Utility

Operational Simplicity:

- + True Plug & Play
- + Auto-Negotiation
- + Clear, at a glance per port LED indicators
- + Auto MDI/MDI-X detection

Investment Protection:

- + Supports Industry standards
- + 10/100/1000Mbps Migration
- + Fiber Media Support Via SFPs

16-Port 10/100/1000BASE-T With 2 Combo SFP Expansion Slots

The DGS-1216T blends plug-&-play simplicity with exceptional performance and reliability, to create a cost-effective solution for bandwidth-starved workgroups and departments. With (16) 10/100/1000BASE-T ports & (2) combo SFP expansion slots, the DGS-1216T is designed to help provide a simple and economical migration path from 10BASE-T or 100BASE-TX to 1000BASE-T Gigabit. Key features of the DGS-1216TG include:

- + High Performance Wire-Speed Architecture
- + Operational Simplicity
- + L2 features including QoS for bandwidth sensitive applications and link aggregation
- + Remote Management via Web Browser and Auto Discovery Utility
- + Investment Protection

High Performance Wire-Speed Architecture

The DGS-1216T delivers superior performance with exceptional value. With a switching capacity of up to 32Gbps and full duplex wire-speed forwarding, the DGS-1216T is an ideal solution for the most demanding bandwidth intensive applications. With support for 4,000 MAC addresses, the DGS-1216T can be used as a cost-effective Gigabit wiring closet solution or a high performance backbone aggregation device.

Operational Simplicity

The DGS-1216T supports a wide array of plug-in-play features:

- + 10/100/1000Mbps auto-negotiation
- + Universal UTP cable recognition for auto straight-through or crossover cable detection
- + Full/Half duplex support
- + IEEE standards support

Investment Protection

The DGS-1216T helps to protect customers' existing and future network infrastructure investments by:

- + Work with unmanaged Gigabit switches along with competitive price point and features
- + Providing a plug-&-play migration for existing 10/100BASE-TX devices to 1000BASE-T
- + Standards-based feature support to help insure multi-vendor compatibility
- + Fiber Gigabit Media Support Via 2 Combo SFP Expansion Slots

The D-Link DGS-1216T is a flexible, high performance, and value-oriented solution for a wide range of Gigabit applications.



16-Port 10/100/1000BASE-T With 2 Combo SFP Expansion Slots

Technical Specifications

Product/Performance Specifications

DGS-1216T	(16) Ports 10/100/1000Mbps with (2) Combo SFP Expansion Slots*
MAC Address Table Size	4,000
Switch Fabric	32Gbps Forwarding Capacity
Transmission Method	Store-and-forward
Diagnostic LEDs	Per Unit: Power Per Port: Activity/Link & Speed
Packet Buffer Memory	On Chip 272KByte Buffer Memory Per Device
Forwarding Rate	23.8 Mpps
Address Aging Timer	300 sec
Max Power Consumption	25 Watts (Max)

Interface Options

RJ-45	10BASE-T, 100BASE-TX & 1000BASE-T Universal UTP Cable Recognition for Straight-Through or Crossover Cables (MDI/MDI-X)
-------	---

Network Protocol and Standards

IEEE	802.3 Ethernet, 802.3u Fast Ethernet, 802.3x Flow Control & 802.3ab Gigabit Ethernet, Port-based QoS, Port-based VLAN, Link Aggregation, Port Mirroring, Priority Queues and Port Setting on speed, flow control and on/off.
------	--

Electrical & Emissions Summary

Emissions	CE Mark, FCC Class A
Power Supply	100-240VAC, 50/60 Hz Internal Universal Power

Safety Agency Certifications and Environmental

Safety	cUL
Temperature	Operating: 0° to 55°C (32° – 124°F) Storage: - 10° – 70°C (14° – 158° F)
Humidity	5% to 90% RH, non-condensing

Physical Specifications

Dimensions (W x D x H)	440 x 210 x 44 mm (17.3" x 8.27" x 1.73") 19-inch rack-mount width, 1.0U height
Weight	2.832 kg (6.27 lb.)

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

<i>Part Number</i>	<i>Description</i>
DGS-1216T	Web-Smart Layer 2 Switch with (16) 10/100/1000BASE-T Ports with (2) Combo SFP Expansion Slots* (Desktop Or Rackmountable- Includes Standard 19" Mounting Kit)
DEM-310GT	1000BASE-LX 3.3V GBIC Up to 550m (Multimode) Up to 10km (Singlemode)
DEM-311GT	1000BASE-SX 3.3V GBIC, Up to 220m/550m (Multimode)
DEM-312GT2	1000BASE-SX+ 3.3V GBIC Up to 2km (Multimode)

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