



## DGS-1216T

### FEATURES

#### 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:

- Support for Industry Standards
- 10/100/1000Mbps Migration
- Fiber Media Support Via SFPs

## Layer 2 Switch

### Web-Smart 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.

# DGS-1216T

Web-Smart (16) Port 10/100/1000Mbps With (2) Combo SFP Expansion Slots  
High Performance 32Gbps Non-Blocking Switch Fabric

## 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)
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### 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.
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### Electrical & 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° - 55° C (32° - 124° F)
Storage	-10° - 70° C (-10° - 158° F)
Humidity	Operating: 5% to 90% RH, Non-Condensing

### Physical Specifications

Dimensions (W x D x H)	440x210x44 mm (17.3x8.27x1.73inches) 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

<u>Part Number</u>	<u>Description</u>
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)