



## DGS-1016TG

### FEATURES

#### High Performance Wire-Speed Architecture:

- 32Gbps Switching Capacity
- Non-Blocking Architecture
- 4,000 MAC Address Table

#### Operational Simplicity:

- True Plug & Play
- Auto-Sensing
- Auto-Detection
- Auto-Configuration
- 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

### Unmanaged 16-Port 10/100/1000BASE-T With Two Combo SFP Expansion Slots

The DGS-1016TG 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) of which are combo SFP expansion slots, the DGS-1016TG 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-1016TG include:

- High Performance Wire-Speed Architecture
- Operational Simplicity
- Investment Protection

#### High Performance Wire-Speed Architecture-

The DGS-1016TG delivers superior performance with exceptional value. With a switching capacity of up to 32Gbps and full duplex wire-speed forwarding, the DGS-1016TG is an ideal solution for the most demanding bandwidth intensive applications. With support for 4,000 MAC addresses, the DGS-1016TG can be used as a cost-effective Gigabit wiring closet solution or a high performance backbone aggregation device.

#### Operational Simplicity-

The DGS-1016TG supports a wide array of plug & play features:

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

#### Investment Protection-

The DGS-1016TG helps to protect customers' existing and future network infrastructure investments by:

- 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 Combo SFP Expansion Slots

The D-Link DGS-1016TG is a flexible, high performance, and value-oriented solution for a wide range of Gigabit applications.

# DGS-1016TG

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

## Technical Specifications

### Product/Performance Specifications

DGS-1016TG	(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	Up to 23 Mbps
Address Aging Timer	300 sec
Max Power Consumption	33.3 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
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### Electrical & Electrical Emissions Summary

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

### Safety Agency Certifications and Environmental

Safety	CUL
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)	323.85 x 230 x 44 mm (12.75 x 9.09 x 1.7 inches) 19-inch rack-mount width, 1.0U height
Weight	2.24 kg (4.96 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-1016TG	Unmanaged 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-314GT	1000BASE-LX 3.3V GBIC Up to 50km (Singlemode)
DEM-315GT	1000BASE-LX 3.3/5.0V GBIC Up to 80km (Singlemode)
DEM-312GT2	1000BASE-SX+ 3.3V GBIC Up to 2km (Multimode) - {Should Be Paired With DEM-310GM2 or DEM-312GT2}

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