DGS-1016T

Layer 2 Switch
Unmanaged 16-Port 10/100/1000BASE-T

The DGS-1016T blends plug-n-play simplicity with exceptional performance and reliability, to create cost effective solution for bandwidth-starved workgroups and departments. With (16) 10/100/1000BASE-T ports, the DGS-1016T is designed to help provide a simple and economical migration path from 10BASE-T or 100BASE-TX to 1000BASE-T Gigabit. Key features of DGS-1016T include:

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

High Performance Wire-Speed Architecture-
The DGS-1016T delivers superior performance with exceptional value. With a switching capacity of up to 32Gbps and full duplex wire-speed forwarding, the DGS-1016T is an ideal solution for the most demanding bandwidth intensive applications. With support for 8,000 MAC addresses, the DGS-1016T can be used as a cost effective Gigabit wiring closet solution or a high performance backbone aggregation device.

Operational Simplicity-
The DGS-1016T supports a wide array of plug & play features:

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

Investment Protection-
The DGS-1016T helps to protect customers' existing and future network infrastructure investments by:

- Providing a plug-n-play migration for existing 10/100BASE-TX devices to 1000BASE-T
- Standards based feature support to help insure multi-vendor compatibility

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

FEATURES

High Performance Wire-Speed Architecture:
-32Gbps Switching Capacity
-8K MAC Address Table

Operational Simplicity:
-True Plug & Play
-Auto-Sensing, Detection & Configuration

Investment Protection:
-Support for Industry Standards
-10/100/1000BASE-T Migration

D-Link®
Building Networks for People

Technical Specifications

DGS-1016T

Product/Performance Specifications

DGS-1016T	(16) Ports 10/100/1000BASE-T
MAC Address Table Size	8K
Switch Fabric	32Gbps Capacity
Transmission method	Store-and-forward
Diagnostic LEDs	Per Unit: Power
	Per Port: Activity/Link & Speed
Packet Buffer Memory	128kBytes Buffer Memory Per Device

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

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	UL/CUL
Temperature	Operating: 0° - 40° C (32° - 104° F)
Storage	-10° - 55° C (14° - 131° F)
Humidity	Operating: 5% to 95% RH & NC

Physical Specifications

Dimensions (W x D x H)	440 x 210 x 44 mm (17.32 x 8.27 x 1.7 inches) 19-inch rack-mount width, 1.0U height
Weight	3.3 kg (7.28 lb.)

Warranty and Support Information

Warranty	Limited 5 Year Warranty for as long as the original customer/end user owns the product, (excluding power supplies and fans). Power supplies and fans carry a limited 3 year warranty.
Support	Free Technical Support

Ordering Information

Part Number	*Description*
DGS-1016T	Unmanaged Layer 2 Switch with (16) 10/100/1000BASE-T Ports