

DGS-1024T



Layer 2 Switch

Unmanaged 24-Port 10/100/1000BASE-T with 2 Combo SFP/mini-GBIC Expansion Slots

FEATURES

High Performance Wire-Speed Architecture:

- Up to 48Gbps Forwarding Capacity
- 32,000 MAC Address Table

Operational Simplicity:

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

Investment Protection:

- Support for Industry Standards
- (2) Combo mini-GBIC Slots*
- 10/100/1000BASE-T Migration

*Use of the GBIC Slot, disables the use of the corresponding copper port

The DGS-1024T blends plug & play simplicity with exceptional performance and reliability, to create cost-effective solution for bandwidth-starved workgroups and departments. With (24) 10/100/1000BASE-T ports, the DGS-1024T 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-1024T include:

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

High Performance Wire-Speed Architecture-

The DGS-1024T delivers superior performance with exceptional value. With a forwarding capacity of up to 48Gbps with full duplex wire-speed forwarding, the DGS-1024T is an ideal solution for the most demanding bandwidth intensive applications.

Operational Simplicity-

The DGS-1024T 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-1024T 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
- Media flexibility through support of SFP/mini-GBICs

The D-Link DGS-1024T is a flexible, high performance, value-oriented solution for a wide range of Gigabit applications.



DGS-1024T

Technical Specifications

Product/Performance Specifications

DGS-1024T	(24) Ports 10/100/1000BASE-T with (2) Combo SFP/mini-GBICs Expansion Slots
MAC Address Table Size	32,000
Switch Fabric	Up To 48Gbps Forwarding Capacity
Transmission method	Store-and-forward
Diagnostic LEDs	Per Unit: Power Per Port: Activity/Link & Speed
Packet Buffer Memory	8Mb 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)
SFP/mini-GBIC Combo Expansion Slots	Media Support Is Dependent On Type Of SFP/mini-GBIC

Network Protocol and Standards

IEEE	802.3 Ethernet, 802.3u Fast Ethernet, 802.3x Flow Control, 802.3ab Gigabit Ethernet & 802.3z Gigabit Ethernet
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Electrical & Electrical Emissions Summary

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

Safety Agency Certifications and Environmental

Safety	CSA International
Temperature	Operating: 0° - 40° C (32° - 104° F)
Storage	-25° - 55° C (-13° - 131° F)
Humidity	Operating: 5% to 95% RH, Non-Condensing

Physical Specifications

Dimensions (W x D x H)	441 x 388 x 66 mm (17.36 x 15.28 x 2.6 inches) 19-inch rack-mount width, 1.0U height
Weight	4.2 kg (9.26 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

<u>Part Number</u>	<u>Description</u>
DGS-1024T	Unmanaged Layer 2 Switch with (24) 10/100/1000BASE-T Ports + (2)Combo** mini-GBIC Ports
DEM-310GT	1000BASE-LX SFP/mini-GBIC, Up to 5km (Singlemode) or Up to 550m (Multimode)
DEM-311GT	1000BASE-SX SFP/mini-GBIC, Up to 220m (Multimode)
DEM-312GT2	1000BASE-SX+ SFP/mini-GBIC, Up to 2km (Multimode) {Should Be Paired With: DEM-310GM2 or DEM-312GT2}