

DGS-1005D



Layer 2 Switch

Unmanaged 5-Port 10/100/1000BASE-T

FEATURES

High Performance Wire-Speed Architecture:

- 10Gbps Switching Capacity
- Non-Blocking Architecture
- 8,000 MAC Address Table

Operational Simplicity:

- True Plug & Play
- Auto-Sensing
- Auto Cable Detection
- Auto-Configuration
- Clear, At A Glance Per Port LEDs Indicators
- Desktop Or Wall-Mount Design

Investment Protection:

- Support for Industry Standards
- Free 24/7 Technical Support
- 5-Year Product Warranty
- 3-Year Warranty On Power Supply and Fans

Get the blazing speed of Gigabit Ethernet with the D-Link GigaExpress™ DGS-1005D, an 5-port 10/100/1000Mbps Switch that delivers power, performance, and reliability in one cost-effective, space-saving design. Increase the speed of your network server and backbone connections, or make Gigabit to the desktop a reality. Power users in the home, office, workgroup, or creative production environment can now move large, bandwidth-intensive files faster. Transfer graphics, CGI, CAD, or multimedia files across the network instantly.

Power-Packed

It features a non-blocking switching architecture that filters and forwards packets at full wire-speed for maximum throughput. An 8,000 MAC address table provides scalability for even the largest networks. Address learning and aging, 802.3x Flow Control for full duplex mode, and back pressure flow control for half-duplex mode alleviates traffic congestion and ensures reliable data transmission.

Designed using industry standards, it is compatible with virtually all 10, 100, and 1000Mbps Ethernet devices and other vendor equipment. It protects your existing network investments while providing you with a straightforward migration path to faster Gigabit speeds.

Easy to Use

The auto features of this switch make installation plug and play and hassle-free. No configuring is required. Auto MDI/MDI-X crossover on all ports eliminate the need for crossover cables or uplink ports. Auto-negotiation on each port senses the link speed of a network device (either 10, 100, or 1000 Mbps) and intelligently adjusts for compatibility and optimal performance. It also features diagnostic LEDs which display status and activity, allowing you to quickly detect and correct problems on the network.

DGS-1005D

Unmanaged (5) Port 10/100/1000Mbps
High Performance 10Gbps Non-Blocking Switch Fabric

Technical Specifications

Product/Performance Specifications

DGS-1005D	(5) Ports 10/100/1000Mbps
MAC Address Table Size	8,000
Switch Fabric	10Gbps Forwarding Capacity
Transmission Method	Store-and-forward
Diagnostic LEDs	Per Unit: Power Per Port: Activity/Link
Packet Buffer Memory	On Chip 256KByte Buffer Memory Per Device
Forwarding Rate	10Mbps-14,880pps/100Mbps-148,810pps/1000Mbps-1,488,100pps
Address Aging Timer	Automatic Update
Max Power Consumption	9 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 A, FCC Class A, VCCI Class A
Power Supply	DC Input: 5V 2.5A

Safety Agency Certifications and Environmental

Safety	CUL(60950) and LVD(60950)
Temperature	Operating: 0° - 55° C (32° - 131° F)
Storage	-10° - 70° C (14° - 158° F)
Humidity	Operating: 5% to 95% RH & NC

Physical Specifications

Dimensions (W x D x H)	7.58 x 4.67 x 1.26 inches
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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 24/7 Technical Support

Ordering Information

<u>Part Number</u>	<u>Description</u>
DGS-1005D	Unmanaged Layer 2 Switch with (5) 10/100/1000BASE-T Ports