

DGS-1016D



Layer 2 Switch

Unmanaged (16) Port 10/100/1000Mbps Switch

FEATURES

High-performance Wire-Speed Architecture:

- 32Gbps switching capacity
- Non-blocking architecture
- 8K MAC Address Table

Operational Simplicity:

- True plug & play
- Auto-sensing
- Auto cable detection
- Automatic cable diagnostic to help detect cable problems
- Auto-configuration
- Clear, at a glance per port LEDs indicators
- Rack mountable or Desktop

Investment Protection:

- Support for industry standards
- Free 24/7 Technical Support
- Limited Lifetime Warranty

Get the blazing speed of Gigabit Ethernet with the D-Link DGS-1016D, a 16-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 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. The versatile and compact 1RU height design of the DGS-1016D enables the device to be rackmounted in a standard 19 inch rack, while conserving valuable rack space.

Power-Packed

It features a non-blocking switching architecture that filters and forwards packets at full wire-speed for maximum throughput. An 8K 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 Install and Maintain

The auto features of this switch make installation plug & play and hassle-free. No configuration is required. Auto-MDI/MDI-X crossover on all ports eliminate the need for crossover cables for connection to another switch or hub. Auto-Negotiation on each port senses the link speed of a network device (either 10, 100, 1000Mbps) 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. Every port also supports a cable diagnostic feature that helps to detect cable related problems.



DGS-1016D

Technical Specifications

Product/Performance specifications

DGS-1016D	(16) Ports 10/100/1000Mbps
MAC Address Table Size	8K
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 512Kbytes Buffer Memory per device
Max Power Consumption	37.5 Watts

Interface Options

RJ-45	10BASE-T, 100BASE-TX & 1000BASE-T
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Network Protocols and Standards

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

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

Safety Agency Certifications and Environmental

Safety	CSA + NRTL/C
Temperature	Operating: 0° – 40°C (32° – 104°F) Storage: -10° – 55°C (14° – 131°F)
Humidity	Operating: 5% to 95% RH & Non-Condensing

Physical Specifications

Dimensions (W x D x H)	280 x 180 x 44mm (11.02 x 7.09 x 1.73 inches)
Weight	1.75Kg (3.86 Lbs)

Warranty and Support Information

Warranty	Limited Lifetime
Support	24/7 Technical Support

Ordering Information

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