

# D-Link®

Building Networks for People

## Plug & Play High-Speed Switching

### DGS-1008D



- 16Gbps Switching Capacity
- 802.1p Quality of Service
- True Plug & Play
- Diagnostic LEDs
- Auto Cable Detection
- Desktop Or Wall-Mount Design
- Jumbo Frame Support
- Cable Diagnostic

## GigaExpress®

### 8-Port 10/100/1000BASE-T Switch

Get the blazing speed of Gigabit Ethernet with the D-Link GigaExpress® DGS-1008D, an 8-port 10/100/1000Mbps switch that delivers power, performance, and reliability in a 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 almost instantly.

#### Onboard Cable Diagnostic

The DGS-1008D is capable of performing advanced cable diagnostic features designed to assist in troubleshooting network connection problems. The cable diagnostic feature will automatically detect three common faults in an Ethernet cable. These include: 1) an open circuit (a lack of continuity between the pins at each end of the Ethernet cable or a disconnected cable), 2) a short circuit (two or more conductors short-circuited), and 3) an improper termination (a termination resistance greater than 100 ohms). Any of these common cable faults will be detected by the Cable Diagnostic function, and displayed through the LEDs at power-up.

#### 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 (10, 100, or 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.

#### IEEE 802.1p Priority Queues Support

With packet prioritization capability, the DGS-1008D allows traffic to be queued as critical and non-critical, permitting your computer to run Voice over IP, video-conferencing/multimedia applications and other time-sensitive traffic with higher priority than non-critical data. This in turn helps to eliminate jitter and lag in multimedia streams.

## 8-Port 10/100/1000BASE-T Switch

### SPECIFICATIONS

#### Technical Specifications

DGS-1008D	(8) Ports 10/100/1000Mbps
MAC Address Table Size	8K
Switch Fabric	16Gbps Forwarding Capacity
Transmission Method	Store-and-forward
Diagnostic LEDs	Per Unit: Power Per Port: Activity/Link
Packet Buffer Memory	On Chip 1MByte Buffer Memory Per Device
Forwarding Rate	10Mbps-14,880pps/100Mbps-148,810pps/ 1000Mbps-1,488,100pps
Address Aging Timer	Automatic Update
Max Power Consumption	4.5 Watts (Max)
QoS	802.1p (4 Queues)
Jumbo Frames	9KB

#### 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 Protocols and Standards

IEEE	802.3 Ethernet, 802.3u Fast Ethernet, 802.3x Flow Control, 802.3ab Gigabit Ethernet, 802.1p QoS
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#### Electrical & Emissions Summary

Emissions	CE Mark, FCC Class B
Power Supply	DC Input: 7.5V 1A

#### Safety Agency Certifications and Environmental

Safety	CSA
Temperature	Operating: 0° - 40° C (32° - 131° F) Storage: -10° - 70° C (14° - 158° F)
Humidity	Operating: 10% to 90% RH, Non Condensing

#### Physical Specifications

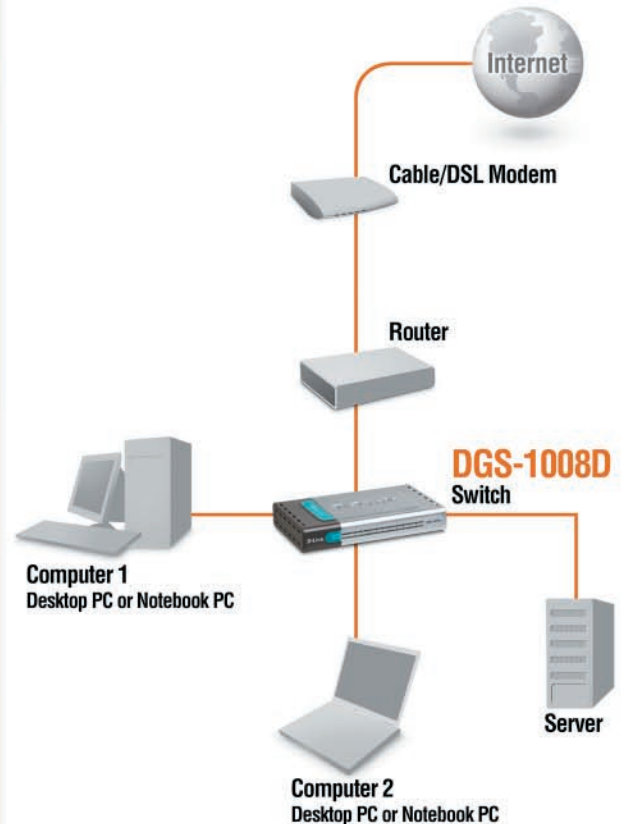
Dimensions (W x D x H)	7.55 x 4.65 x 1.18 inches (192mm x 118mm x 30mm)
Weight	0.66 lbs (300 grams)

#### Warranty and Support Information

Warranty	5-Years (Exclude Power)
Support	Free 24/7 Technical Support

#### Ordering Information

<u>Part Number</u>	<u>Description</u>
DGS-1008D	Unmanaged Layer 2 Switch with (8) 10/100/1000BASE-T Ports



#### Package Contents

- DGS-1008D
- Power Adapter
- Manual
- Wall Mounting Accessories
- Four Rubber feet

