D-Link®

Product Highlights

Gigabit High-Speed Networking

Gigabit ports allow you to connect up to 16 devices for fast file transfers and smooth media streaming

Versatile Mounting Options

Low profile and compact design supports desktop or wall mount placement

Energy Efficient

Uses 802.3az Energy-Efficient Ethernet to reduce power usage automatically without sacrificing performance



DGS-1016S

16-Port Gigabit Unmanaged Switch

Features

Fast Connectivity

- 16 x Gigabit LAN ports for high-speed wired connections
- Plug-and-play installation for convenience

Energy-Efficient and Eco-Friendly

- Supports 802.3az Energy-Efficient Ethernet
- Reduces power to a port when there is no traffic
- Optimises power usage for a port for the length of cable connected to it
- Energy-efficient design reduces heat generated and allows the switch to run silently

Advanced Features

- IEEE 802.1p QoS prioritises traffic by data type to provide optimal performance

The DGS-1016S 16-Port Gigabit Unmanaged Switch is ideal for homes and small-to-medium-sized businesses looking for a quick and easy way to upgrade or expand their network. The low profile switch comes with a compact and sturdy metal design that allows the switch to be placed on a desktop or wall-mounted. With its integrated power-saving technologies, the switch automatically reduces power consumption, reducing heat whilst prolonging product life, all without sacrificing performance or functionality.

Gigabit Networking with Traffic Optimisation

With Gigabit transfer speeds on each port, you can rapidly transfer files between connected computers and devices. The switch features 802.1p Quality of Service (QoS), which organises and prioritises time-sensitive and critical data for efficient delivery, allowing for buffer-free video streaming as well as smooth video and voice conferencing.

D-LinkAssist

Next Business Day Service

Your network is the backbone of your business. Keeping it running is essential, even if the unexpected happens. D-Link Assist is a rapid-response technical support service that replaces faulty equipment quickly and efficiently. Maximising your uptime and giving you the confidence that instant support is only a phone call away.

All D-Link products with 5-year or Limited Lifetime warranty come with complimentary Next Business Day Service. D-Link will send out a replacement product to you on the next business day after acceptance of a product failure. On receipt of the replacement product, you simply arrange the return of the defective product to us. Any products with a 2-year/3-year warranty can also benefit from the Next Business Day advance replacement service when the optional 3-year warranty extension has been purchased.

Find out more at **eu.dlink.com/services**

DGS-1016S 16-Port Gigabit Unmanaged Switch

Technical Specifications

General		
Device Interfaces	• 16 x 10/100/1000 Mbps LAN ports	
Standards	• IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T	• IEEE 802.3x Flow Control • IEEE 802.1p QoS • IEEE 802.3az Energy-Efficient Ethernet (EEE)
Functionality		
Switching Capacity	• 32 Gbps	
Advanced Features	• Auto-MDI/MDIX crossover for all ports • Secure store-and-forward switching scheme • Full/half-duplex for Ethernet/Fast Ethernet speeds • Supports 9,216 byte jumbo frames	• Back pressure at half-duplex operation • Wire-speed reception and transmission • Auto-negotiation for each port • Quality of Service (8 queues, strict mode)

Data Transfer Rates	• Ethernet:
	  • 10 Mbps (half-duplex)
	  • 20 Mbps (full-duplex)
	• Fast Ethernet:
	  • 100 Mbps (half-duplex)
	  • 200 Mbps (full-duplex)
		• Gigabit Ethernet
		  • 2000 Mbps (full-duplex)

Transmission Method	• Store-and-forward	
MAC Address Table Size	• 8K entries	
Packet Filtering/Forwarding Rates	• Ethernet: 14,880 pps per port • Fast Ethernet: 148,800 pps per port	• Gigabit Ethernet: 1,488,000 pps per port
RAM Buffer	• 512 KB per device	
Physical		
LED Indicators	• Per port: Link/Activity/Speed	• Per device: Power
Media Interface Exchange	• Auto-MDI/MDIX adjustment for all ports	
Dimensions	• 280 x 110 x 25 mm	
Weight	• 0.77 kg	
Power Input	• 12 V / 1 A	
Power Consumption	• Standby: 3.37 W	• Maximum: 8.89 W
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -40 to 70 °C (-40 to 158 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 95% non-condensing
MTBF	• 564,658 hours	
Maximum Heat Dissipation	• 30.32 BTU/h	
Emissions (EMI)	• CE Class A • FCC Class A	• ICES 003 • RCM
Safety	• LVD	

For more information: www.dlink.com

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