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by D-Link

Product Highlights

Gigabit High-Speed Networking

Gigabit ports allow you to connect up to 16/24 devices for fast file transfers and smooth media streaming

Intelligent Data Streaming

QoS support enables uninterrupted VoIP calls, smooth streaming video, and quick file transfers over your network

Energy-Efficient

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



GO-SW-16G/24G

16/24-Port Gigabit Easy Desktop Switch

Features

Fast Connectivity

- 16 or 24 Gigabit LAN ports for high-speed wired connections
- Plug-and-play installation for convenience

Reliability

- Embedded 4 kV surge protection on all Gigabit Ethernet ports
- Durable metal housing
- Rack mountable
- Fanless design

Energy-Efficient and Eco-Friendly

- Reduces power to a port when there is no traffic
- Optimises power usage of a port based on the length of the cable connected to it
- Energy-efficient design reduces heat generated and allows switch to run silently

The GO-SW-16G/24G 16/24-Port Gigabit Easy Desktop Switch is an economical, plug-and-play networking switch solution for SOHO and small and medium businesses wanting to benefit from the increased bandwidth of Gigabit Ethernet. It provides 16 or 24 10/100/1000 Mbps ports that enable you to easily expand your network and provide a quick way to upgrade your network to fast connectivity.

Upgrade to Gigabit Networking

With data transfer speeds of up to 2000 Mbps at full-duplex, this switch is ideal for quick file transfers, online gaming, and smooth streaming media. It features easy-to-access Ethernet ports with LED indicators per port to easily distinguish link status. Auto-MDI/MDIX crossover makes connections a cinch; just plug in your cables and you are ready to go.

Conserve Energy

The GO-SW-16G/24G supports IEEE 802.3az Energy-Efficient Ethernet, which saves energy and reduces heat automatically without sacrificing performance or functionality. The switch can detect when a connected computer is shut down or when there is no Ethernet traffic and can automatically reduce the power used for that port, cutting power usage substantially. In addition, the switch optimises power usage for each port based on the length of cable connected to it, using only as much power as is required. Both of these features work together to help you save power automatically.

Reliable Plug and Play Installation

The GO-SW-16G/24G is a plug-and-play device that requires no configuration, so setup is simple and hassle-free, and you can easily connect multiple computers, share files, music, and video across your home or small office network, or even create a multiplayer gaming environment. IEEE 802.3x flow control on each port minimizes dropped packets when the port's receiving buffer is full, giving you a more reliable connection for all of your connected devices.

GO-SW-16G/24G 16/24-Port Gigabit Easy Desktop Switch

Technical Specifications

General

Model Number	• GO-SW-16G	• GO-SW-24G
Hardware Version	• C1	• C1
Device Interfaces	• 16 x 10/100/1000 Mbps LAN ports	• 24 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)
Surge Protection	• Embedded 4 kV surge protection on all Gigabit Ethernet ports	

Functionality

Switching Capacity	• 32 Gbps	• 48 Gbps
Advanced Features	• Full/half-duplex for Ethernet/Fast Ethernet speeds • Supports 9,216 bytes 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	• 8,000 entries	
Max. Packet Forwarding Rate	• 23.81 Mpps	• 35.71 Mpps
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 126 x 44 mm	• 280 x 180 x 44 mm
Weight	• 0.87 kg	• 1.35 kg
Power Input	• 12 V / 1 A (external PSU)	• 100 to 240 V AC (internal PSU)
Power Consumption	• Standby: 4.1 W • Maximum: 11.7 W	• Standby: 4.4 W • Maximum: 15.4 W
Temperature	• Operating: 0 to 40 °C • Storage: -40 to 70 °C	
Humidity	• Operating: 10% to 90% non-condensing • Storage: 5% to 95% non-condensing	
MTBF	• 305,171 hours	• 302,287 hours
Maximum Heat Dissipation	• 39.92 BTU/h	• 52.54 BTU/h
Emissions (EMI)	• CE Class A, FCC Class A, VCCI Class A, BSMI, CCC	
Safety	• UL, CB, LVD, BSMI, CCC	

For more information: www.dlink.com

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