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by **D-Link**

GO-SW-8G

8-Port Gigabit Easy Desktop Switch

Features

Connectivity

- Eight Gigabit Ethernet LAN ports for high-speed wired connections
- Cable Diagnostics Function notifies users of cable conditions through product LEDs

Green Ethernet

- 802.3 Energy-Efficient Ethernet (EEE) allows for less power consumption during periods of low data activity
- Reduces power to a port when no link is detected
- Adjust power to a port by detecting the length of the connected Ethernet cable

The GO-SW-8G 8-Port Gigabit Easy Desktop Switch is part of D-Link's new series of SOHO devices that make use of D-Link's Green Technology, providing energy savings, reduced heat, and a longer product life without sacrificing performance or functionality. It provides eight Gigabit ports for easy expansion of your network and a quick way to upgrade your network to Gigabit connectivity. An energy-efficient power adapter (Energy Star Level VI qualified), minimised the use of harmful substances (RoHS compliant), and recyclable packaging makes this switch truly environmentally friendly.

Fast and Reliable Networking

The D-Link GO-SW-8G 8-Port Gigabit Easy Desktop Switch creates a blazing fast network for your office, as its Gigabit Ethernet ports provide high-speed wired connections for up to eight PCs or other devices. The GO-SW-8G also features QoS, which prioritises network traffic so that time-sensitive data is delivered efficiently, even during bursts of high data traffic. Finally, plug and play support makes setup a breeze.

Conserve Energy

The 8-Port Gigabit Easy Desktop Switch helps you conserve energy automatically through several methods. The switch supports IEEE 802.3az Energy-Efficient Ethernet (EEE) which cuts down on power consumption during periods of low data activity and will proceed to put the unused port into sleep mode, saving a substantial amount of power. It also adjusts the amount of power supplied to a port according to the length of the connected Ethernet cable.

Environmentally-friendly

The 8-Port Gigabit Easy Desktop Switch was designed with the environment in mind and is compliant with Energy Star Level VI, as well as with the stringent CEC and MEPS regulations that require the use of energy efficient power adapters. The switch is also built to follow RoHS standards to minimise the use of hazardous materials and uses recyclable packaging that helps reduce waste, complying with the WEEE directive.

Technical Specifications

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General

Device Interfaces	• Eight 10/100/1000BASE-T Gigabit LAN ports

Functionality

Advanced Features	• Green Ethernet • 16 Gbps switching fabric • Auto MDI/MDIX crossover for all ports • Secure store-and-forward switching scheme	• Full/half-duplex for Ethernet/Fast Ethernet speeds • IEEE 802.3x Flow Control • Supports 9,216 Byte Jumbo Frames • Supports IEEE 802.1p QoS (4 Queues, Strict Mode) • Supports Cable Diagnostics Function
Standards	• IEEE 802.3 10BASE-T Ethernet (twisted-pair copper) • IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper) • IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted-pair copper)	• ANSI/IEEE 802.3 NWay auto-negotiation • IEEE 802.3x Flow Control • IEEE 802.3az Energy-Efficient Ethernet (EEE)
Protocol	• CSMA/CD	

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	• 4 K	
MAC Address Learning	• Automatic Update	
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	• 192 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	• 130 x 79 x 22mm (5.12 x 3.11 x 0.87 inches)	
Weight	• 130 grams (4.59 ounces)	
Power	• 5 V/1 A Power Adapter	
Power Consumption	• Maximum: 4.8 watts	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -10 to 70 °C (14 to 158 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 90% non-condensing
MTBF	• 1,061,267 hours	
Certifications	• CE class B, FCC class B, ICES-003 class B, cUL, CB	

For more information: www.dlink.com

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