D-Link®
Building Networks for People

GO-SW-16G/24G

16/24-Port Unmanaged Gigabit Switch

Features

Physical

- 16 or 24 Gigabit Ethernet ports for fast network speeds
- Industry-first plastic case for better heat dissipation and a compact size
- Fanless design for silent operation

Performance

- IEEE 802.3x Flow Control
- Auto MDI/MDI-X crossover for all ports
- Full/half-duplex for Ethernet/Fast Ethernet speeds
- Supports 9,600 Bytes Jumbo Frames

Energy Efficiency

- Innovative D-Link Green Ethernet Technology conserves energy
- Link status detection reduces power usage
- Cable length detection uses energy more efficiently
- 802.3az EEE hardware implementation reduces power consumption significantly
- D-Link's Innovative EEE+ mode saves power
- RoHS compliant

Easy Installation

- Plug-and-play installation saves you time

The D-Link GO-SW-16G 16-Port Unmanaged Gigabit Switch and GO-SW-24G 24-Port Unmanaged Gigabit Switch each offer an economical way for SOHO and small to medium businesses (SMB) to deploy an energy-efficient switch that features the increased bandwidth of Gigabit ports.

Gigabit on Every Port

The 16/24-Port Unmanaged Gigabit Switch series brings the speed of Gigabit Ethernet to each and every port for a truly high-speed network. If your network has a mix of legacy and modern computing capabilities, each port allows for standard Ethernet, Fast Ethernet, or Gigabit Ethernet connections. You have the latest technology available to every computer and device connected to your network.

Innovative Design

The sleek plastic case of the GO-SW-16G/24G series is an industry first for a high-performance SOHO/SMB switch. Using a compact desktop style helps generate heat dissipation levels that allow for a fanless design, making the switches silent, as well as economical. The 16/24-Port Unmanaged Gigabit Switch series is small, lightweight, wall-mountable, and ideal for any business with big needs and a small budget.

Conserves Energy

The 16/24-Port Unmanaged Gigabit Switch series helps you conserve energy automatically through several methods. It automatically powers down ports that have no link, allowing the switch to save substantial amounts of power by cutting power usage for unused ports or any ports connected to computers that have been shut down. It can also detect connected cable lengths, and adjusts power usage accordingly, helping you save energy without affecting networking performance.

Think Green

The GO-SW-16G/24G 16/24-Port Unmanaged Gigabit Switch series makes use of D-Link Green Ethernet technology, providing more energy savings and a longer product life, without sacrificing operational performance or functionality. These environmentally friendly switches are also RoHS compliant, use recyclable packaging, and minimize the use of harmful substances.

GO-SW-16G

16 Gigabit LAN Ports   Power Connector

GO-SW-24G

24 Gigabit LAN Ports   Power Connector
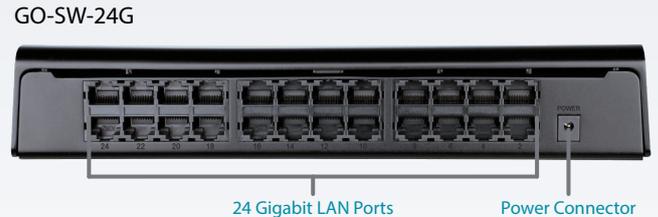
Technical Specifications

General	GO-SW-16G	GO-SW-24G
Number of Ports	• Sixteen 10/100/1000 Gigabit ports	• Twenty-four 10/100/1000 Gigabit ports
Standards	• IEEE 802.3 10BASE-T Ethernet • IEEE 802.3u 100BASE-TX Fast Ethernet • IEEE 802.3ab 1000BASE-T Gigabit Ethernet • ANSI/IEEE 802.3 NWay auto-negotiation • IEEE 802.3x Flow Control	• IEEE 802.3 10BASE-T Ethernet • IEEE 802.3u 100BASE-TX Fast Ethernet • IEEE 802.3ab 1000BASE-T Gigabit Ethernet • ANSI/IEEE 802.3 NWay auto-negotiation • IEEE 802.3x Flow Control

Data Tranfer 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)
		• 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)

Network Cables	• 10BASE-T:
	  • UTP CAT 3, 4, 5/5e (100 m max)
	  • EIA/TIA-586 100-ohm STP (100 m max)
	• 100BASE-TX, 1000BASE-T:
	  • UTP CAT 5/5e (100 m max)
	  • EIA/TIA-568 100-ohm STP (100 m max)
		• 10BASE-T:
		  • UTP CAT 3, 4, 5/5e (100 m max)
		  • EIA/TIA-586 100-ohm STP (100 m max)
		• 100BASE-TX, 1000BASE-T:
		  • UTP CAT 5/5e (100 m max)
		  • EIA/TIA-568 100-ohm STP (100 m max)

Functionality	**GO-SW-16G**	**GO-SW-24G**
D-Link Green Features	• IEEE 802.3az Energy Efficient Ethernet (EEE) • Link status detection power saving • Cable length detection power saving • RoHS Compliance	• IEEE 802.3az Energy Efficient Ethernet (EEE) • Link status detection power saving • Cable length detection power saving • RoHS Compliance
LAN Features	• Back pressure at half-duplex operation • Auto MDI/MDIX • Wire speed reception and transmission • Store-and-Forward switching method • 8K MAC addresses • 2 Mbits RAM for data buffering • Jumbo Frames: 9216 Bytes • Switching Capacity 32 Gbps	• Back pressure at half-duplex operation • Auto MDI/MDIX • Wire speed reception and transmission • Store-and-Forward switching method • 16K MAC addresses • 3.5 Mbits RAM for data buffering • Jumbo Frames: 9216 Bytes • Switching Capacity 48 Gbps
Port Packet Filtering	• 10M: 14,880 pps • 100M: 148,800 pps • 1000M: 1,488,000 pps	• 10M: 14,880 pps • 100M: 148,800 pps • 1000M: 1,488,000 pps

Physical	GO-SW-16G	GO-SW-24G
LEDs	• Power LED • 16 Link/Activity/Speed LEDs (one per port)	• Power LED • 24 Link/Activity/Speed LEDs (one per port)
Power Inputs	• Switching 12V/1A level V power adapter	• Switching 12V/1.5A level V power adapter
Power Consumption	• Power on (standby): AC input: 2.64 Watts • Power max.: AC input: 9.00 Watts	• Power on (standby): AC input: 4.94 Watts • Power max.: AC input: 15.7 Watts
Heat Dissipation	• Power on (Standby): AC input: 9.01 BTU/h• • Power max.: AC input: 30.717 BTU/h	• Power on (Standby): AC input: 16.86 BTU/h • Power max.: AC input: 53.58 BTU/h
MTBF	• 319,267 hours	• 336,072 hours
Dimensions	• 231 x 158 x 46 mm (9.1 x 6.2 x 1.8 inches)	• 257 x 178 x 46 mm (10.1 x 7.0 x 1.8 inches)
Weight	• 0.58 kg (1.28 pounds)	• 0.76 kg (1.68 pounds)
Operating Temperature	• 0 to 40 °C (32 to 104 °F)	• 0 to 40 °C (32 to 104 °F)
Storage Temperature	• -10 to 70 °C (14 to 158 °F)	• -10 to 70 °C (14 to 158 °F)
Humidity	• 5% to 90% non-condensing	• 5% to 90% non-condensing
Certifications	• FCC Class A • ICES-003 Class A • CE Class A • C-Tick Class A • CB • cUL	• FCC Class A • ICES-003 Class A • CE Class A • C-Tick Class A • CB • cUL

Order Information	
Part Number	*Description*
GO-SW-16G	16-Port Unmanaged Gigabit Switch
GO-SW-24G	24-Port Unmanaged Gigabit Switch

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