D-Link®

Product Highlights

Gigabit Ethernet Speed

High-speed ports provide the latest Ethernet technology while remaining backward compatible for connections to older computers and equipment

Revolutionary Design

The Industry's first plastic case for high-port count Gigabit switches, plus a fanless design that provides noise-free operation at all times

Eco-Friendly

Innovative D-Link Green Ethernet features save power automatically so you can do your part for the environment and reduce operating costs

Limited Lifetime Warranty

DGS-1016A/1024A

16/24-Port Gigabit Unmanaged Desktop Switch

Features

Physical

- 16 or 24 Gigabit Ethernet ports for fast network speeds
- Industry-first plastic case for 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 9,216 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 when usage is low
- RoHS compliant

Easy Installation

- Plug-and-play installation

The D-Link DGS-1016A 16-Port Gigabit Unmanaged Switch and the DGS-1024A 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 DGS-1016A/1024A series is an industry first for a Gigabit SOHO/SMB switch. Using a compact desktop style helps reduce heat levels and 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.

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DGS-1016A/DGS-1024A
16/24-Port Gigabit Unmanaged Desktop Switch

Think Green

The DGS-1016A/1024A 16/24-Port Gigabit Unmanaged Desktop 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.

Technical Specifications		
	DGS-1016A	DGS-1024A
		
General		
Number of Ports	Sixteen 10/100/1000 Gigabit ports	Twenty-four 10/100/1000 Gigabit ports
Switching Capacity	32Gbps	48Gbps
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 802.3az Energy Efficient Ethernet (EEE)	
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)
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)
Media Interface Exchange	Auto MDI/MDIX adjustment for all ports	
LED Indicators	Per port: Link/Activity/Speed Per device: Power	
Transmission Method	Store-and-forward	
MAC Address Table	8k	16k
MAC Address Learning	Automatic update	
MAC Address 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	2Mbits	3.5Mbits
Jumbo Frames	9216 Bytes	

DGS-1016A/DGS-1024A 16/24-Port Gigabit Unmanaged Desktop Switch

D-Link Green	IEEE 802.3az Energy Efficient Ethernet (EEE) Link status detection power saving Cable length detection power saving RoHS Compliance	
Physical		
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	527,308 hours	336,072 hours
Operating Temperature	32 to 104 °F (0 to 40 °C)	
Storage Temperature	14 to 158 °F (-10 to 70 °C)	
Storage Humidity	5% to 90% non-condensing	
Dimensions	9.1 x 6.2 x 1.8 inches (231 x 158 x 46 mm)	10.1 x 7.0 x 1.8 inches (257 x 178 x 46 mm)
Weight	1.28 lbs. (580g)	1.68 lbs. (760g)
Certifications	FCC Class A ICES-003 Class A CE Class A	C-Tick Class A CB cUL
Warranty		
Warranty	Limited Lifetime[1]	
Order Information		
Part Number	*Description*	
DGS-1016A	16-Port Gigabit Unmanaged Desktop Switch	
DGS-1024A	24-Port Gigabit Unmanaged Desktop Switch	

[1]Limited Lifetime Warranty available only in the USA. All references to speed are for comparison purposes only.

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For more information

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Building Networks for People