



D-Link DGS 1024D - Switch - unmanaged

24 x 10/100/1000 - desktop - rack-mountable

Group	Network Equipment
Manufacturer	D-Link
Manufacturer item no.	DGS-1024D/E
EAN/UPC	0790069269912

Description

Computers do not require Internet access all the time; neither do switches utilize all ports at all times. When a computer or network equipment is shutdown, switches often remain on and continue to consume considerable amount of power. With Green Ethernet technology, D-Link switches can automatically detect link status and reduce power usage of ports that are idle. Computers or any connecting parties set to standby mode (not power off), however, will not provide significant power savings.

The Green Ethernet switches have the ability to analyze the length of any Ethernet cable connected to them for adjustment of power usage accordingly. Shorter lengths require less power.

For a traditional switch, power consumption remains constant even when the ports are not in use. In a standard workday scenario where PCs are used for 10 hours a day and powered off 14 hours a day, and connected to the switch using 20 meter cables, D-Link's Green Ethernet can save up to 25% power used for each system.

Get the blazing speed of Gigabit Ethernet with the D-Link GigaExpress DGS-1024D, a 24-port 10/100/1000Mbps Gigabit Switch that delivers power, performance, and reliability in one cost-effective, space-saving design. Increase the speed of your network server and backbone connections, or make Gigabit to the desktop a reality.

Power users in the office, workgroup, or creative production environment can now move large, bandwidth-intensive files faster. Transfer graphics, CGI, CAD, or multimedia files across the network instantly. The versatile and compact 1RU height design of the DGS-1024D enables the device to be rackmounted in a standard 19 inch rack, while conserving valuable rack space.

It features a non-blocking switching architecture that filters and forwards packets at full wire-speed for maximum throughput. An 8K MAC address table provides scalability for even the largest networks. Address learning and aging, 802.3x Flow Control for full-duplex mode, and back pressure flow control for half-duplex mode alleviates traffic congestion and ensures reliable data transmission.

Designed using industry standards, it is compatible with virtually all 10, 100, and 1000Mbps Ethernet devices and other vendor equipment. The D-Link DGS-1024D 10/100/1000 Mbps Gigabit Switch protects your existing network investments while providing you with a straightforward migration path to faster Gigabit speeds.



The auto features of this gigabit switch make installation plug and play and hassle-free. No configuring is required. Auto MDI/MDI-X crossover on all ports eliminate the need for crossover cables or uplink ports. Auto-negotiation on each port senses the link speed of a network device (10, 100, or 1000 Mbps) and intelligently adjusts for compatibility and optimal performance. It also features diagnostic LEDs which display status and activity, allowing you to quickly detect and correct problems on the network. Every port also supports a cable diagnostic feature that helps to detect cable related problems.

Main features

Product Description	D-Link DGS 1024D - switch - 24 ports - unmanaged - rack-mountable
Device Type	Switch - 24 ports - unmanaged
Enclosure Type	Rack-mountable
Subtype	Gigabit Ethernet
Ports	24 x 10/100/1000
Performance	Switching fabric bandwidth: 48 Gbps
MAC Address Table Size	8K entries
Jumbo Frame Support	9600 bytes
Features	Flow control, auto-uplink (auto MDI/MDI-X), store and forward, half duplex mode, full duplex mode, Quality of Service (QoS), Jumbo Frames support, Cable Diagnostics Function, D-Link Green Technology, fanless, Energy Efficient Ethernet
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3az
Power	AC 120/230 V (50/60 Hz)
Dimensions (WxDxH)	28 cm x 18 cm x 4.4 cm

Extended details

General	
Device Type	Switch - 24 ports - unmanaged
Enclosure Type	Desktop, rack-mountable
Subtype	Gigabit Ethernet
Ports	24 x 10/100/1000
Performance	Switching fabric bandwidth: 48 Gbps
MAC Address Table Size	8K entries
Jumbo Frame Support	9600 bytes
Features	Flow control, auto-uplink (auto MDI/MDI-X), store and forward, half duplex mode, full duplex mode, Quality of Service (QoS), Jumbo Frames support, Cable Diagnostics Function, D-Link Green Technology, fanless, Energy Efficient Ethernet
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3az
Status Indicators	Port transmission speed, power, link/activity
Expansion / Connectivity	
Interfaces	24 x 1000Base-T RJ-45
Power	



Power Device	Internal power supply
Voltage Required	AC 120/230 V (50/60 Hz)

Miscellaneous

Compliant Standards	FCC Class A certified, cUL, CB, ICES-003 Class A, RoHS, C-Tick Class A, VCCI Class A
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Dimensions & Weight

Width	28 cm
Depth	18 cm
Height	4.4 cm

Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	40 °C
Humidity Range Operating	10 - 90% (non-condensing)
Min Storage Temperature	-10 °C
Max Storage Temperature	70 °C
Humidity Range Storage	5 - 90% (non-condensing)

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