



Key Features

- Eight 10/100/1000Mbps Switched Ports
- Power up to 4 PoE devices
- Supports up to 52 Watts across 4 PoE ports and up to 15.4 watts per port for individual usage
- Built-in D-Link Green Technology
- IEEE 802.1p QoS for Automatic traffic prioritization
- Sends Power to IEEE 802.3af PoE-enabled Devices Over Standard RJ-45 Ethernet Cabling
- Up to 1Gbps of Dedicated Bandwidth per Port and up to 2Gbps Bandwidth in Full-Duplex Mode
- Jumbo Frame Support of up to 9720bytes
- Auto MDI/MDI-X Crossover for all Ports
- IEEE 802.3x Flow Control
- Compatible with Virtually Any Operating System
- Supports MAC Address Learning
- Plug-and-Play Installation
- Limited Lifetime Warranty²

8-Port Gigabit Ethernet PoE Switch

Gigabit Connection for Small Business

The D-Link® 8-Port Gigabit Ethernet PoE Switch (DGS-1008P) enables office users the ability to easily connect and supply power to Power over Ethernet (PoE) devices such as IP cameras, IP phones, and wireless access points (APs) to a network. The 8 Gigabit ports provide connectivity for devices and applications that require high speed network access and reduce bottlenecks that can interrupt communication. The DGS-1008P also provides the opportunity to add additional Ethernet devices like computers, printers, and Network Attached Storage (NAS) onto a network. This compact PoE switch operates quietly, making it ideal for use in virtually any room or office.

Power Over Ethernet (PoE)

The first four ports of the DGS-1008P supports the IEEE 802.3af PoE protocol. Each of these four ports can supply up to 15.4 watts for a total PoE budget of 52 watts, allowing users to attach an IEEE 802.3af-compliant device to the DGS-1008P that requires no additional power. Use PoE for applications that are far from power outlets or when you want to minimize the clutter of extra cables.

Auto MDI/MDIX Crossover

All ports support automatic MDI/MDIX crossover, eliminating the need for crossover cables or uplink ports. Each port can be plugged directly to a server, hub, router, or switch using regular straight-through twisted-pair Ethernet cables.

Easy Installation, no Additional Setup

The DGS-1008P 8-Port Gigabit Ethernet Switch is plug-and-play and requires no additional configuration. Its compact size and fan-less design allow for installation anywhere data or power is required. In addition, the switch supports IEEE 802.1p QoS, which automatically classifies and prioritizes compliant device traffic to ensure time sensitive data such as VoIP is forwarded without delay.

Conserves Energy

The DGS-1008P 8-Port Gigabit Switch makes use of D-Link Green™ eco-friendly technology, providing energy savings, reduced power consumption, and a longer product life without sacrificing operational performance or functionality. This switch helps to conserve energy through methods such as Link Status and Cable Length Detection. The Link Status feature automatically powers down ports that have no link, allowing the switch to save substantial amounts of energy by cutting power for unused ports or ports connected to computers that have been shut down. It can also detect connected cable lengths, and adjust power usage accordingly, helping you save energy without affecting networking performance. In addition, the fan-less design extends the product's life and also reduces noise.

Technical Specifications

Switching Capacity	<ul style="list-style-type: none"> • 16 Gbps
Standards	<ul style="list-style-type: none"> • 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 802.1p QoS
POE Features	<ul style="list-style-type: none"> • Supports IEEE 802.3af • Supplies power to PD: up to 15.4 Watts • Total PoE budget: 52 Watts • PoE port count/Average PoE watts per port: 4 (Port 1 - 4) / 13 Watts
Data Transfer Rates	<p>Ethernet</p> <ul style="list-style-type: none"> • 10 Mbps (half duplex) • 20 Mbps (full duplex) <p>Fast Ethernet</p> <ul style="list-style-type: none"> • 100 Mbps (half duplex) • 200 Mbps (full duplex) <p>Gigabit Ethernet</p> <ul style="list-style-type: none"> • 2000 Mbps (full duplex)
Media Interface Exchange	<ul style="list-style-type: none"> • Auto MDI/MDIX adjustment for all ports
Network Cables	<p>10BASE-T:</p> <ul style="list-style-type: none"> • UTP CAT 3/4/5/5e (100 m max.) • EIA/TIA-586 100-ohm STP (100 m max.) <p>100BASE-TX, 1000BASE-T:</p> <ul style="list-style-type: none"> • UTP CAT 5/5e (100 m max.) • EIA/TIA-568 100-ohm STP (100 m max.)
Led Indicators	<ul style="list-style-type: none"> • Per port: Link/Activity/Speed/PoE Status • Per device: Power/PoE Max
Transmission Method	<ul style="list-style-type: none"> • Store-and-forward
MAC Address Table	<ul style="list-style-type: none"> • 4K Entries per device
MAC Address Learning	<ul style="list-style-type: none"> • Automatic update
Packet Filtering/Forwarding Rates	<ul style="list-style-type: none"> • Ethernet: 14,880 pps per port • Fast Ethernet: 148,800 pps per port • Gigabit Ethernet: 1,488,000 pps per port
RAM Buffer	<ul style="list-style-type: none"> • 192 KBytes per device
Power Consumption	<p>Power On (Standby):</p> <ul style="list-style-type: none"> • DC input: 0.48 Watts • AC input: 2.1 Watts <p>Maximum (PoE Off)</p> <ul style="list-style-type: none"> • DC input: 4.48 Watts • AC input: 6.2 Watts <p>Maximum (PoE On)</p> <ul style="list-style-type: none"> • DC input: 57.83 Watts • AC input: 63.2 Watts
Power Adapter	<ul style="list-style-type: none"> • AC input: 100 to 240 VAC, 50/60 Hz • DC output: DC 48 V/1.25 A (60 Watts)

Operating Temperature	Device: <ul style="list-style-type: none"> • 0 to 50 °C (32 to 122 °F) External Power Adapter: <ul style="list-style-type: none"> • 0 to 40 °C (32 to 104 °F)
Storage Temperature	<ul style="list-style-type: none"> • -40 to 70 °C (104 to 158 °F)
Operating Humidity	<ul style="list-style-type: none"> • 0% to 95% RH non-condensing
Storage Humidity	<ul style="list-style-type: none"> • 0% to 95% RH non-condensing
Device Dimensions	<ul style="list-style-type: none"> • 7.5 x 4.7 x 1.5 inches (190 x120 x 38 mm)
Certifications	<ul style="list-style-type: none"> • FCC Class B • ICES-003 Class B • CE Class B • C-Tick Class B • VCCI Class B • cUL • LVD
Warranty	<ul style="list-style-type: none"> • Limited Lifetime Warranty¹

Updated 2/10/11

¹ Limited Lifetime Warranty available only in the USA and Canada

All references to speed are for comparison purposes only. Product specification, size and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

©2010 D-Link Corporation/D-Link Systems, Inc. All rights reserved. D-Link, D-Link logo, D-Link Green and the D-Link Green logo are registered trademarks of D-Link Corporation or its subsidiaries in the United States and/or other countries. Other trademarks or registered trademarks are the property of their respective owners.