D-Link®

up to
52 Watts
of PoE

dlink green™

8-PORT GIGABIT ETHERNET PoE SWITCH
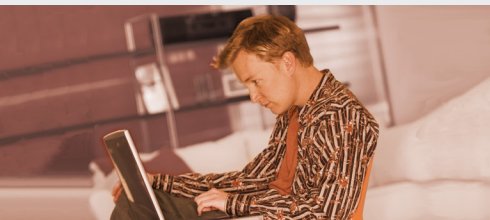
HIGH-SPEED NETWORKING	PLUG AND PLAY	WIRED PoE ACCESS
Transfer files over your network at blazing Gigabit speeds	Auto MDI/MDIX simplifies cable connections	Power up to 4 Wireless Access Points or other PoE-capable devices

GIGABIT CONNECTION FOR HOME

The D-Link DGS-1008P 8-port Gigabit Ethernet switch enables home and office users to easily connect and supply power to Power over Ethernet (PoE) devices such as wireless access points (APs), IP cameras, and IP phones. It 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 support 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.
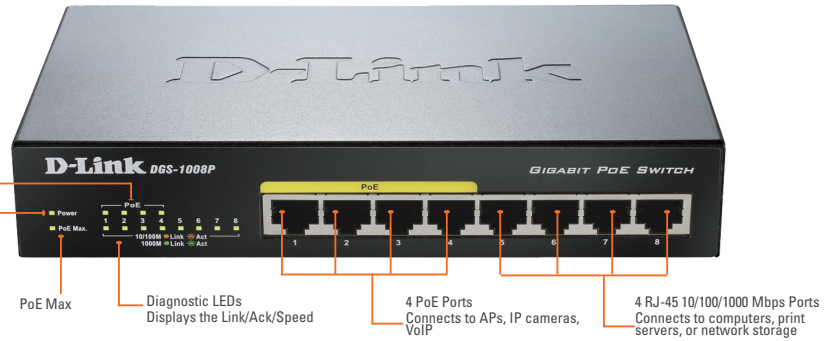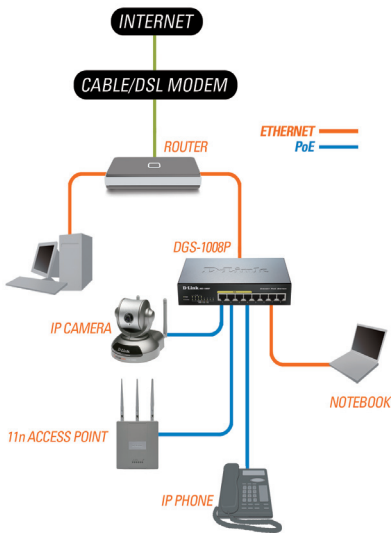
CONSERVES ENERGY

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.

WIRED | GIGABIT

8-PORT GIGABIT ETHERNET PoE SWITCH
DGS-1008P

WHAT THIS PRODUCT DOES

The DGS-1008P offers an economical way for SOHO and small to medium businesses (SMB) to benefit from the increased bandwidth of Gigabit Ethernet. It provides 8 Gigabit ports for fast server deployment to meet increasing network loads. The Gigabit PoE ports provide a larger bandwidth for high speed network applications, especially IEEE802.11n Access Points, high resolution video cameras, and phones.

YOUR NETWORK SETUP

INTERNET

CABLE/DSL MODEM

ROUTER

ETHERNET
PoE

DGS-1008P

IP CAMERA

11n ACCESS POINT

IP PHONE

NOTEBOOK

PoE Status

Power

PoE Max

Diagnostic LEDs
Displays the Link/Ack/Speed

4 PoE Ports
Connects to APs, IP cameras, VoIP

4 RJ-45 10/100/1000 Mbps Ports
Connects to computers, print servers, or network storage

TECHNICAL SPECIFICATIONS

KEY FEATURES
- 8 10/100/1000 Mbps Gigabit Ports
- Auto MDI/MDIX Crossover for all ports
- Store-and-forward Switching Scheme
- Full/half-duplex for Ethernet/Fast Ethernet Speeds
- IEEE 802.3x Flow Control
- Plug-and-play Installation
- Built-in D-link Green Technology
- RoHS Compliant
- IEEE 802.1p QoS (4 Queues, Strict Mode)
- Supports Cable Diagnostics
- Supports 9720 KBytes Jumbo Frames

SWITCHING CAPACITY
- 16 Gbps

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 802.1p QoS

POE FEATURES
- 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
- 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)

TOPOLOGY
- Star

MEDIA INTERFACE EXCHANGE
- Auto MDI/MDIX adjustment for all ports

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.)

LED INDICATORS
- Per port: Link/Activity/Speed/PoE Status
- Per device: Power/PoE Max

TRANSMISSION METHOD
- Store-and-forward

MAC ADDRESS TABLE
- 4K Entries per device

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 KBytes per device

POWER CONSUMPTION
- Power On (Standby):
  - DC input: 0.48 Watts
  - AC input: 2.1 Watts
- Maximum (PoE Off)
  - DC input: 4.48 Watts
  - AC input: 6.2 Watts
- Maximum (PoE On)
  - DC input: 57.83 Watts
  - AC input: 63.2 Watts

POWER ADAPTER
- AC input: 100 to 240 VAC, 50/60 Hz
- DC output: DC 48 V/1.25 A (60 Watts)

OPERATING TEMPERATURE
- Device:
  - 0 to 50 ˚C (32 to 122 ˚F)
- External Power Adapter:
  - 0 to 40 ˚C (32 to 104 ˚F)

STORAGE TEMPERATURE
- -40 to 70 ˚C (104 to 158 ˚F)

OPERATING HUMIDITY
- 0% to 95% RH non-condensing

STORAGE HUMIDITY
- 0% to 95% RH non-condensing

DEVICE DIMENSIONS (W x D x H)
- 190 x 120 x 38 mm (7.5 x 4.7 x 1.5 inches)

CERTIFICATIONS
- FCC Class B
- ICES-003 Class B
- CE Class B
- C-Tick Class B
- VCCI Class B
- cUL
- LVD

ACN 052 202 838