# D-Link

8-Port Gigabit Desktop Switch

Compact switch for high-speed Gigabit connectivity with smart energy-efficient capabilities

DGS-1008A

- **8 Gigabit Ethernet LAN ports for high-speed wired connections**
- **Reduces power to a port when no link is detected**
- **Save power with 802.3az Energy Efficient Ethernet**
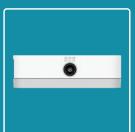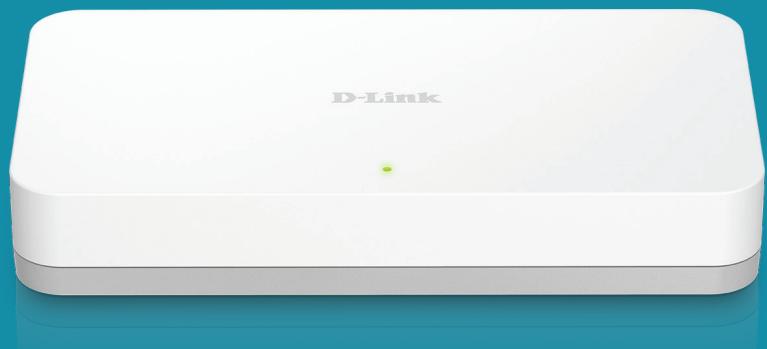
Gigabit Ports
Gigabit ports provide high-speed connectivity for your devices

Power-Saving Technology
Power to port is reduced when inactivity is detected and 802.3az Energy Efficient Ethernet saves overall power consumption

Fast, Reliable Networking
QoS prioritization keeps your latency-sensitive services such as voice and video running smoothly

IGMP Snooping
Optimizes multicast data streams and bandwidth usage for greater efficiency
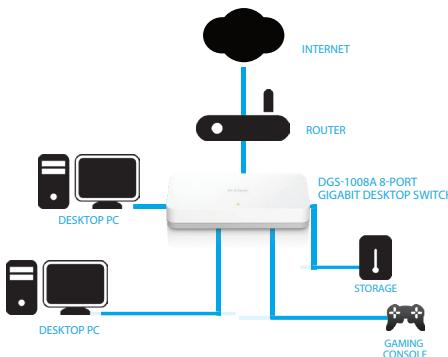
Technical Specifications

General

Device Interfaces	8 x Gigabit Ethernet LAN ports, 1 x power connector
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)

Functionality

Advanced Features	• Green Ethernet • 16 Gbps switching fabric • Auto MDI/MDIX crossover for all ports • Secure store-and-forward switching scheme • Full/half-duplex for Ethernet/Fast Ethernet speeds • IEEE 802.3x Flow Control • Supports 9KB Jumbo Frame • Supports IEEE 802.1p QoS
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)
Transmission Method	Store-and-forward
MAC Address Table	4 K
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
Packet Buffer	192 KB

Physical

LED Indicators	• Per port: Link/Activity • Per device: Power
Media Interface Exchange	Auto MDI/MDIX for all ports
Dimensions	142 x 75 x 22.45 mm
Weight	117 g
Power	• 5 V/1 A Power Adapter
Power Consumption	• Maximum AC input: 5.12 W • Standby AC input: 0.58 W
Temperature	• Operating: 0 to 40 °C (32 to 104 °F) • Storage: -10 to 70 °C (14 to 158 °F)
Humidity	• Operating: 10% to 90% non-condensing • Storage: 5% to 90% non-condensing
MTBF	1,468,984 hours
Certifications	• CE class B • FCC class B • ICES-003 Class B • VCCI class B • BSMI • LVD • RCM • Anatel • KCC

Ordering Information

DGS-1008A	8-Port Gigabit Desktop Switch

Actual performances may vary due to settings, cabling, temperature, network configuration, interface, device compatibility, environmental and on-site conditions, and other similar factors. References to power capability, signal or processing speed, signal range or distance, data encryption, storage capacity, display properties, or other performance metrics are based on optimal conditions derived from industry standards and provided for informational purposes only. Specifications may be subject to change without prior notice.

D-Link®