

# 8-Port Gigabit Desktop Switch

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

DGS-1008D

- 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

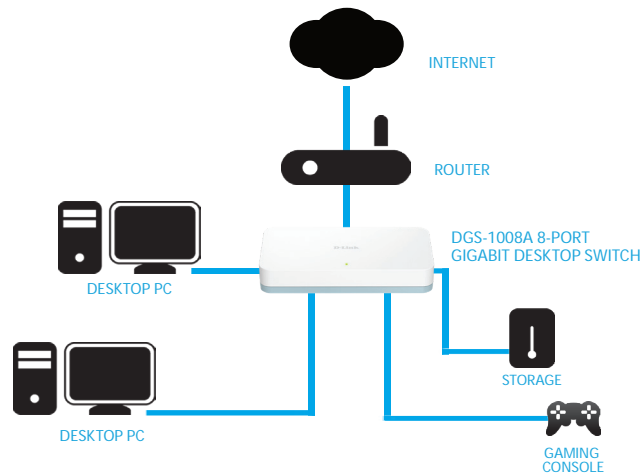


### Fast, Reliable Networking

QoS prioritization keeps your latency-sensitive services such as voice and video running smoothly



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	<ul style="list-style-type: none"> <li>• IEEE 802.3 10BASE-T Ethernet</li> <li>• IEEE 802.3u 100BASE-TX Fast Ethernet</li> <li>• IEEE 802.3ab 1000BASE-T Gigabit Ethernet</li> </ul>	<ul style="list-style-type: none"> <li>• ANSI/IEEE 802.3 NWay auto-negotiation</li> <li>• IEEE 802.3x Flow Control</li> <li>• IEEE 802.3az Energy-Efficient Ethernet (EEE)</li> </ul>

### Functionality

Advanced Features	<ul style="list-style-type: none"> <li>• Green Ethernet</li> <li>• 16 Gbps switching fabric</li> <li>• Auto MDI/MDIX crossover for all ports</li> <li>• Secure store-and-forward switching scheme</li> </ul>	<ul style="list-style-type: none"> <li>• Full/half-duplex for Ethernet/Fast Ethernet speeds</li> <li>• IEEE 802.3x Flow Control</li> <li>• Supports 9KB Jumbo Frame</li> <li>• Supports IEEE 802.1p QoS</li> </ul>
Data Transfer Rates	Ethernet: <ul style="list-style-type: none"> <li>• 10 Mbps (half duplex)</li> <li>• 20 Mbps (full duplex)</li> </ul> Fast Ethernet: <ul style="list-style-type: none"> <li>• 100 Mbps (half duplex)</li> <li>• 200 Mbps (full duplex)</li> </ul>	Gigabit Ethernet: <ul style="list-style-type: none"> <li>• 2000 Mbps (full duplex)</li> </ul>
Transmission Method	Store-and-forward	
MAC Address Table	4 K	
MAC Address Learning	Automatic Update	
Packet Filtering/Forwarding Rates	<ul style="list-style-type: none"> <li>• Ethernet: 14,880 pps per port</li> <li>• Fast Ethernet: 148,800 pps per port</li> </ul>	<ul style="list-style-type: none"> <li>• Gigabit Ethernet: 1,488,000 pps per port</li> </ul>
Packet Buffer	192 KB	

### Physical

LED Indicators	<ul style="list-style-type: none"> <li>• Per port: Link/Activity</li> </ul>	<ul style="list-style-type: none"> <li>• Per device: Power</li> </ul>
Media Interface Exchange	<ul style="list-style-type: none"> <li>• Auto MDI/MDIX for all ports</li> </ul>	
Dimensions	<ul style="list-style-type: none"> <li>• 142 x 75 x 22.45 mm</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>• 117 g</li> </ul>	
Power	<ul style="list-style-type: none"> <li>• 5 V/1 A Power Adapter</li> </ul>	
Power Consumption	<ul style="list-style-type: none"> <li>• Maximum AC input: 5.12 watts</li> </ul>	<ul style="list-style-type: none"> <li>• Standby AC input: 0.58 watts</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>• Operating: 0 to 40 °C (32 to 104 °F)</li> </ul>	<ul style="list-style-type: none"> <li>• Storage: -10 to 70 °C (14 to 158 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• Operating: 10% to 90% non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>• Storage: 5% to 90% non-condensing</li> </ul>
MTBF	<ul style="list-style-type: none"> <li>• 1,468,984 hours</li> </ul>	
Certifications	<ul style="list-style-type: none"> <li>• CE class B</li> <li>• FCC class B</li> <li>• ICES-003 Class B</li> <li>• VCCI class B</li> <li>• BSMI</li> </ul>	<ul style="list-style-type: none"> <li>• LVD</li> <li>• RCM</li> <li>• Anatel</li> <li>• KCC</li> </ul>