

Product Highlights

Gigabit Ethernet Speed

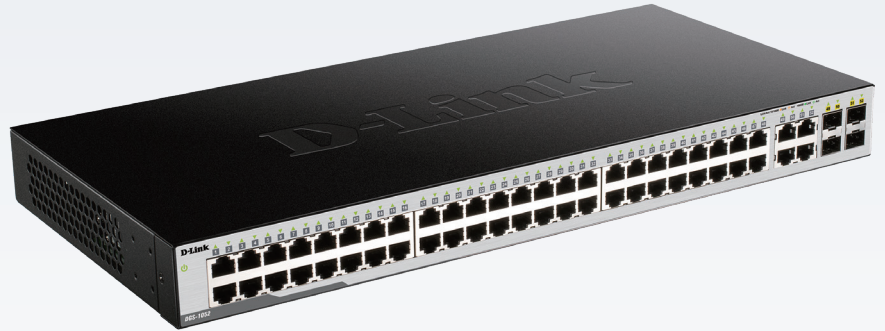
High-speed ports provide the latest Ethernet technology while remaining backwards compatible for connections to older computers and equipment

Durable Design

Durable and compact metal housing, high port count, and a fanless design for noise-free operation

Green Solution

A range of D-Link Green technology features help save energy automatically and reduce costs, without sacrificing performance



DGS-1052

48 Ports 10/100/1000Mbps + 4 Ports Combo 1000Base-T/SFP Unmanaged Switch

Features

Physical

- 48 Gigabit Ethernet ports for fast network speeds and backwards compatibility
- Durable metal housing
- Fanless design for silent operation

Performance

- IEEE 802.3x Flow Control
- Auto MDI/MDI-X crossover for all ports
- Half/full-duplex for Ethernet/Fast Ethernet speeds
- Supports up to 10,000 bytes jumbo frames

Energy Efficiency

- Innovative D-Link Green Ethernet technology
- Link status detection
- 802.3az Energy-Efficient Ethernet (EEE)
- RoHS-compliant

The D-Link DGS-1052 switches offer an economical way for SOHO and Small-to-Medium Businesses (SMB) to take advantage of Gigabit Ethernet speeds, while reducing energy consumption and minimizing noise output.

Gigabit Connectivity

The DGS-1052 switches bring the speed of Gigabit Ethernet to all ports for a truly high-speed network. If your network has a mix of legacy and modern connection interfaces, each port allows for standard Ethernet, Fast Ethernet, or Gigabit Ethernet connections. With this switch, the latest technology available on every computer and device connected to your network.

Improved Network Efficiency

The DGS-1052 switches incorporate several advanced features to help simplify and improve network management and efficiency. Flow Control throttles connections to ensure reliability during heavy usage periods by reducing packet loss and wasteful data retransmission. The switches also offer auto MDI/MDI-X crossover for all ports as well as supporting up to 10,000 bytes jumbo frames.

Innovative Design

The DGS-1052 features a durable, compact metal case alongside a fanless design allowing for improved heat dissipation while maintaining silent operation. The 48 Ports 10/100/1000Mbps + 4 Ports Combo 1000Base-T/SFP Unmanaged Switch is a rack-mountable switch that is ideal for any business with demanding requirements and a small budget.

Green Technology

The DGS-1052 helps you conserve energy automatically through several methods. Link status detection automatically powers down ports that have no link, allowing the switches to save substantial amounts of power by cutting power usage for unused ports or any ports connected to computers that have been shut down.

Meanwhile, Energy-Efficient Ethernet (EEE) conserves energy by dynamically reducing power consumption when data activity is low. These environmentally friendly switches are also RoHS compliant, use recyclable packaging, and minimize the use of harmful substances. These green features combined, provide more energy savings and a longer product life, without sacrificing operational performance or functionality.

Technical Specifications

General	
Number of Ports	<ul style="list-style-type: none"> • 48 x 10/100/1000BASE-T • 4 x 100/1000 Mbps GbE/SFP combo
Standards	<ul style="list-style-type: none"> • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.1p Quality of Service (QoS) • IEEE 802.3x Flow Control supported for full-duplex <ul style="list-style-type: none"> • Auto-negotiation • IEEE 802.3az Energy-Efficient Ethernet (EEE)
Data Transfer Rates	<ul style="list-style-type: none"> • Ethernet: 10 Mbps (half-duplex/full-duplex) • Fast Ethernet: 100 Mbps (half-duplex/full-duplex) • Gigabit Ethernet: 1000 Mbps (full-duplex)
Network Cables	<ul style="list-style-type: none"> • Ethernet: 2-pair UTP Cat.3/4/5/5e, Unshielded Twisted Pair (UTP) Cable • Fast Ethernet: 2-pair UTP Cat.5/5e, Unshielded Twisted Pair (UTP) Cable • Gigabit Ethernet: 4-pair UTP Cat.5/5e, Unshielded Twisted Pair (UTP) Cable
Functionality	
D-Link Green Features	<ul style="list-style-type: none"> • Power saving by link status, cable length, port shut-off, and system hibernation
QoS (Quality of Service)	<ul style="list-style-type: none"> • 802.1p priority • 8 queues
Cable Diagnostics	<ul style="list-style-type: none"> • Indicated through port LEDs
Switching Features	
Switching Capacity	<ul style="list-style-type: none"> • 104 Gbps
Max. Forwarding Rate	<ul style="list-style-type: none"> • 77.4 mpps
Packet Buffer RAM	<ul style="list-style-type: none"> • 12 Mbits
Filtering Address Table	<ul style="list-style-type: none"> • 16K MAC addresses
Forwarding Mode	<ul style="list-style-type: none"> • Store-and-forward
Physical	
Indicator LEDs	<ul style="list-style-type: none"> • Power LED
	<ul style="list-style-type: none"> • Link/Activity/Speed LEDs
AC Inputs	<ul style="list-style-type: none"> • Internal universal power supply • 100~240 V AC; 50 to 60 Hz

48 Ports 10/100/1000Mbps + 4 Ports Combo 1000Base-T/SFP Unmanaged Switch

Maximum Power Consumption	• 34.85 W
Standby Power Consumption	• 13.7 W/100 V • 13.9 W/240 V
Maximum Heat Dissipation	• 118.92 BTU/h
MTBF	• 400,667 hours
Acoustic Value	• 0 dB(A) Fanless
Dimensions	• 440 x 210 x 44 mm (17.32 x 8.27 x 1.73 in)
Weight	• 3.46 kg (7.63 lbs)
Operating Temperature	• -5 °C to 50 °C (23 °F to 122 °F)
Storage Temperature	• -20 °C to 70 °C (-4 °F to 158 °F)
Operating Humidity	• 0% to 95% RH, non-condensing
Storage Humidity	• 0% to 95% RH
Certifications	
Emission Certifications (EMI)	<ul style="list-style-type: none"> • CE Class A • VCCI Class A • FCC Class A <ul style="list-style-type: none"> • BSMI • CCC
Safety	<ul style="list-style-type: none"> • CB • UL • BSMI • CCC
Order Information	
<i>Part Number</i>	<i>Description</i>
DGS-1052	48 Ports 10/100/1000Mbps + 4 Ports Combo 1000Base-T/SFP Unmanaged Switch

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