D-Link®
Building Networks for People

Product Highlights

Gigabit High-Speed Networking

Gigabit ports allow you to connect up to 48 devices for fast file transfers and smooth media streaming

Intelligent Data Streaming

QoS support enables uninterrupted VoIP calls, smooth streaming video, and quick file transfers over your network

Energy Efficient

Uses 802.3az Energy Efficient Ethernet to reduce power usage automatically without sacrificing performance

DGS-1052
48-Port 10/100/1000 Mbps Unmanaged Switch with 4 Combo Ports

Features

Fast Connectivity
- 48 (DGS-1052) Gigabit LAN ports for high-speed wired connections
- Cable Diagnostics function notifies users of cable conditions through port LEDs
- Plug-and-play installation for convenience

Energy Efficient and Eco-Friendly
- Reduces power to a port when there is no traffic
- Optimizes power usage for a port for the length of cable connected to it
- Energy efficient design reduces heat generated and allows switch to run silently

The DGS-1052 10/100/1000 Mbps Unmanaged Switches are economical, plug-and-play networking switch solutions for SOHO and small and medium businesses wanting to benefit from the increased bandwidth of Gigabit Ethernet. They provide 48 10/100/1000 Mbps downlink ports and 4 Combo uplink ports that enable you to easily expand your network and provide a quick way to upgrade your network to fast connectivity.

Upgrade to Gigabit Networking

With data transfer speeds of up to 1000 Mbps at full duplex, these switches are ideal for quick file transfers, online gaming and smooth streaming media. They feature easy-to-access Ethernet ports with LED indicators per port to easily distinguish link status. Auto MDI/MDIX crossover makes connection a cinch; just plug in your cables and you're ready to go.

Conserve Energy

The DGS-1052 implement 802.3az Energy Efficient Ethernet, which saves energy and reduces heat automatically without sacrificing performance or functionality. The switches can detect when a connected computer is shut down or when there is no Ethernet traffic and can automatically reduce the power used for that port, cutting power usage substantially. In addition, the switch optimizes power usage for each port for the length of cable connected to it, using only as much power as is required. Both of these features work together to help you save power automatically.
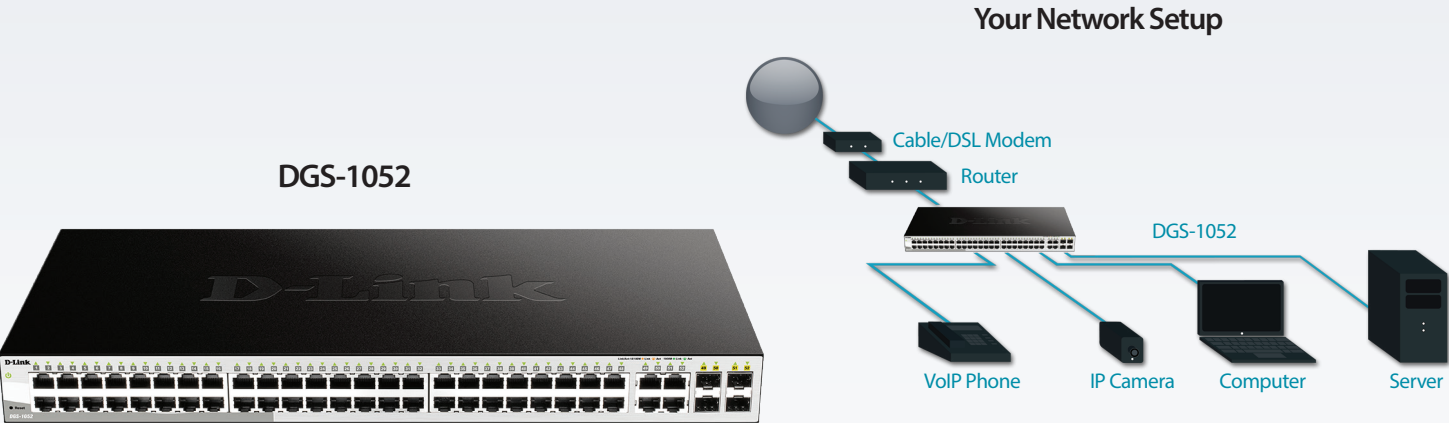
Reliable Plug and Play Installation

The DGS-1052 are Plug-and-Play devices that require no configuration, so setup is simple and hassle-free, and you can easily connect multiple computers, share files, music, and video across your home or small office network, or even create a multiplayer gaming environment. 802.3x flow control on each port minimizes dropped packets when the port's receiving buffer is full, giving you a more reliable connection for all of your connected devices.

Smooth Streaming

These switches support QoS, which prioritizes network traffic so that time-sensitive data is delivered efficiently, even during bursts of high data traffic. This helps ensure an optimal experience for streaming media and VoIP calls.

DGS-1052

Your Network Setup

Cable/DSL Modem

Router

DGS-1052

VoIP Phone   IP Camera   Computer   Server

Technical Specifications

General	
Device Interfaces	• 48 10/100/1000 Mbps LAN ports + 4 uplink Combo ports
Standards	• IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3x Flow Control • IEEE 802.1p QoS • IEEE 802.3az Energy-Efficient Ethernet (EEE)

Functionality	
Switching Capacity	• 104 Gbps switching fabric
Advanced Features	• Auto MDI/MDIX crossover for all ports • Secure store-and-forward switching scheme • Full/half-duplex for Ethernet/Fast Ethernet speeds • Supports 10,000 byte jumbo frames • Back pressure at half-duplex operation • Wire-speed reception and transmission • Store and-Forward switching method • Auto-negotiation for each port
Data Transfer Rates	• Full/Half duplex for 10/100 Mbps • Full duplex for 1000 Mbps

Transmission Method	• Store-and-forward	
MAC Address Table Size	• 16K	
Packet Filtering/Forwarding Rates	• 77,4 Mpps	
Packet Buffer Memory	• 12 Mbits	
Physical		
LED Indicators	• Per port: Link/Activity/Speed • Per device: Power	
Media Interface Exchange	• Auto MDI/MDIX adjustment for all ports	
Dimensions	• 440 x 210 x 44 mm	
Weight	• 3.46 kg	
Power	• 100 to 240 V AC	
Power Consumption	• 34.2 watts	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F) • Storage: -40 to 70 °C (-40 to 158 °F)	
Humidity	• Operating: 10% to 90% non-condensing • Storage: 5% to 95% non-condensing	

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