

Product Highlights

Gigabit Ethernet Speed

High-speed Gigabit Ethernet ports deliver fast, reliable connectivity while maintaining backward compatibility with existing Ethernet devices.

Durable Design

Compact, durable metal housing with a fanless design ensures silent operation and reliable performance.

Green Solution

IEEE 802.3az Energy-Efficient Ethernet (EEE) automatically reduce power consumption to save energy without compromising network performance.



DGS-1016D

16-Port Gigabit Unmanaged Switch

Key Features

Reliable Connectivity

- 16 Gigabit LAN ports for high-speed wired connections
- Plug-and-play installation for convenience

Multicast Features

- IEEE 802.3x Flow Control

Green Ethernet Features

- IEEE 802.3az Energy-Efficient Ethernet (EEE)

Eco-Friendly Design

- RoHS compliant

Silent Operation

- Fanless design

The DGS-1016D 16 Port Gigabit Switch 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. It also brings 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. You have the latest technology available to every computer and device connected to your network.

Improved Network Efficiency

The DGS-1016D 16 Port Gigabit switch 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.

Simplified Installation

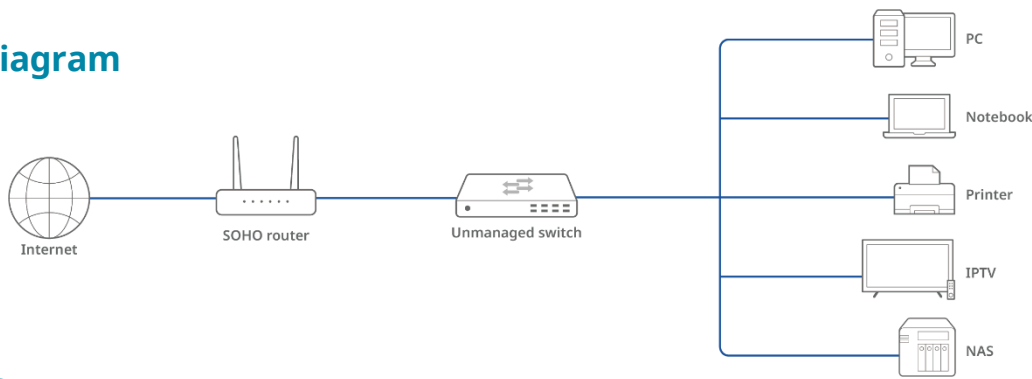
The DGS-1016D feature a durable, compact metal case alongside a fanless design allowing for improved heat dissipation while maintaining silent operation. The 16Port Gigabit Switch series is rack-mountable and ideal for any business with demanding requirements and a small budget.

Green Technology

The DGS-1016D switch 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. 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.

DGS-1016D 16-Port Gigabit Unmanaged Switch

Connection Diagram



Specifications

Technical Specifications
HW Version
K1
Device Interfaces
16 x 10/100/1000BASE-T ports
Standards
- IEEE 802.3 10BASE-T - IEEE 802.3u 100BASE-TX - IEEE 802.3ab 1000BASE-T - IEEE 802.3az Energy-Efficient Ethernet (EEE) - IEEE802.3x Flow Control - IEEE802.1p QoS
Media Interface Exchange
Auto MDI/MDIX adjustment for all ports
LEDs
- Power (per unit) - Link/Activity (per port)
Performance
Transmission Method
Store-and-forward
Switching Capacity
32 Gbps
Max. Packet Forwarding Rate
23.81 Mpps
MAC Address Table
8K entries
MAC Address Learning
Automatic update
Packet Buffer
4.1 Mbits

Physical
Dimensions
280 x 126 x 44 mm (W x D x H)
Weight
0.85 kg
Power
AC 100-240V/50-60Hz 0.5A
Max Power Consumption
9.74 W
Temperature
- Operating: 0 to 40 °C (32 to 104 °F) - Storage: -40 to 70 °C (-40 to 158 °F)
Humidity
- Operating: 10% to 90% RH - Storage: 5% to 90% RH
MTBF
530,336 hours
Heat Dissipation
33.23 BTU/hr
DIP Switch
Normal: All ports can communicate with each other, Flow control on Flow control-Off: All ports can communicate with each other Port isolation-ON: 1 to 14 can not communicate with each other, but can communicate with 15-16 port
Certifications
Safety
LVD
EMI/EMC
CE Class A
Ordering Information
Part Number
DGS-1016D
Description
16 ports Gigabit Unmanaged Switch