D-Link

16-Port Multi-Gigabit Unmanaged Switch

DMS-1016

Features

Fast Connectivity
- Sixteen 2.5 Gigabit LAN ports for high-speed wired connections
- Convenient plug-and-play installation

Multicast Features
- IGMP Snooping optimizes multicast data streams for bandwidth-intensive applications such as IPTV

Green Ethernet Features
- IEEE 802.3az Energy-Efficient Ethernet (EEE)
- Link status detection

Eco-Friendly Design
- RoHS compliant

Silent Operation
- Fanless design

The DMS-1016 16-Port Multi-Gigabit Unmanaged Switch is ideally suited for Small Office Home Office (SOHO) environments. With a durable design, silent operation, and plug-and-play functionality, the DMS-1016 switch can be easily set up and be placed in almost any location where network connectivity is required. Support for IEEE 802.3az Energy-Efficient Ethernet (EEE), 802.1p Quality of Service (QoS), and multi-Gigabit Ethernet connection speeds provide advanced features in a compact package.

Integrated Networking

The DMS-1016 switch uses auto-sensing ports, providing a small workgroup to flexibly connect Ethernet, Fast Ethernet, Gigabit and 2.5 Gigabit devices to create an integrated network. These ports detect the network speed via auto-negotiation allowing you to get the maximum speed possible for each device connected to your network.

Simplified Installation

All of the ports on the DMS-1016 switch support automatic MDI/MDIX crossover, eliminating the need for crossover cables. Each port can be plugged in directly to a server, hub, router, or switch using regular straight-through twisted-pair Ethernet cables. In addition, the DMS-1016 switch features multiple front, easy-to-access Ethernet ports with LED indicators per port to easily distinguish link status.

Green Technology

The DMS-1016 switch features green technology, such as IEEE 802.3az Energy-Efficient Ethernet (EEE) and link status detection. Energy-Efficient Ethernet reduces power consumption of the switch when network utilization is low, reducing the cost of ownership during periods of inactivity. Link status detection automatically powers down ports when there is no link detected, saving power when the connected device has been shut down or disconnected.

Traffic Management

The DMS-1016 switch includes traffic management features, such as IEEE 802.1p Quality of Service (QoS) and IEEE 802.3x Flow Control. The 802.1p QoS feature allows traffic to be classified in 8 priority levels, allowing different types of traffic to be prioritized, depending on their importance. Flow Controlwill temporarily stop data transmission when the switch's input buffer is full, helping to minimize dropped packets and providing a more reliable connection for all of your connected devices.

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Technical Specifications

General

HW Version	A1
Device Interfaces	16 x 10M/100M/1G/2.5G bps ports
Standards	• IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3bz 2.5GBASE-T • IEEE 802.3x Flow Control • IEEE 802.1p QoS • IEEE 802.3az Energy-Efficient Ethernet (EEE)
Media Interface Exchange	Auto MDI/MDIX

Performance

Transmission Method	Store-and-forward
Switching Capacity	80 Gbps
Max Packet Forwarding Rate	59.52 Mbps
MAC Address Table	16K
MAC Address Learning	Automatic update
Packet Buffer	12 Mbits
Jumbo Frame	12288 bytes

LEDs

Power (per device)	✓
Link/Activity (per port)	✓

Physical

Dimensions	440 x 250 x 44 mm
Weight	2.932 kg
Power	12V / 5.4A
Max Power Consumption	19.135 W
Operating Temperature	-5 to 50°C (23 to 122°F)
Storage Temperature	-20 to 70°C (-4 to 158°C)
Operating Humidity	0% to 95% relative humidity
Storage Humidity	0% to 95% relative humidity
MTBF	800,034.25 Hours
Heat Dissipation	65.29 BTU/h

Certifications

Safety	LVD
EMI/EMC	CE Class A, FCC Class A

Order Information

DMS-1016	16-ports 10/100Mbps/1G/2.5G Unmanaged Switch

D-Link®