Highlights

High-Speed Networking

Twenty four 2.5 Gigabit Ethernet ports provide multispeed transmission for high-performance Wi-Fi 6 networks, allowing fast data transfers and maximizing network bandwidth

Durable Design

Metal housing design improves heat dissipation, enhances durability

Environmentally Friendly

IEEE 802.3az Energy-Efficient Ethernet (EEE) reduces power consumption when ports are not in use, conserving energy and lowering costs

24-Port Multi-Gigabit Unmanaged Switch

DMS-1024

Features

Fast Connectivity

- Twenty four 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

The DMS-1024 24-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-1024 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-1024 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-1024 switch features multiple front, easy-to-access Ethernet ports with LED indicators per port to easily distinguish link status.

Green Technology

The DMS-1024 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-1024 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 Control will 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.

DMS-1024 24-Port Multi-Gigabit Unmanaged Switch

Technical Specifications

General	
HW Version	A1
Device Interfaces	24 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	120 Gbps
Max Packet Forwarding Rate	89.28 Mbps
MAC Address Table	32K
MAC Address Learning	Automatic update
Packet Buffer	16 Mbits
Jumbo Frame	12288 bytes

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

Physical	
Dimensions	440 x 250 x 44 mm
Weight	3.421 kg
Power	12V / 5.4A
Max Power Consumption	35.489 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	646,913.55 Hours
Fan	2 x internal fans
Heat Dissipation	120.45 BTU/h

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

Order Information	
DMS-1024	24-ports 10/100Mbps/1G/2.5G Unmanaged Switch

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