

Product Highlights

High-Speed 2.5 Gigabit Networking

Five 2.5 Gigabit Ethernet ports deliver fast, reliable multi-gigabit connectivity for Wi-Fi 6 and bandwidth-intensive applications.

Compact Fanless Design

Compact, fanless design enables silent operation for home and office environments.

Energy-Efficient Technology

IEEE 802.3az Energy-Efficient Ethernet (EEE) automatically reduces power consumption to save energy.



DMS-1005A

5-Port Multi-Gigabit Unmanaged Switch

Key Features

Fast Connectivity

- Five 2.5 Gigabit LAN ports for high-speed wired connections
- Plug-and-play installation for convenience

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-1005A 5-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-1005 switch can be easily set up and be placed in almost any location. Support for IEEE 802.3az Energy-Efficient Ethernet (EEE), 802.1p Quality of Service (QoS), flow control, and multi-Gigabit Ethernet connection speeds provide advanced features in a compact package.

Integrated Networking

The DMS-1005A 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

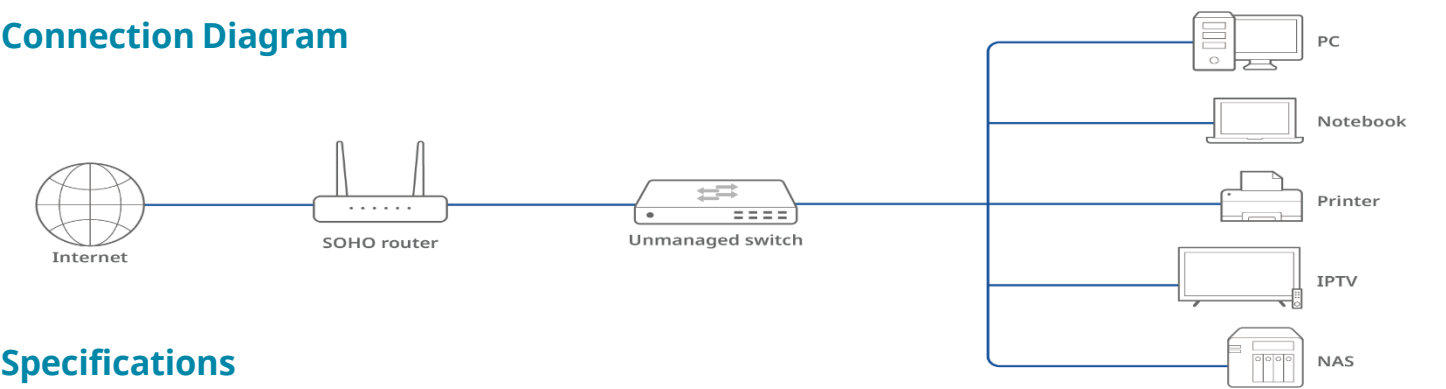
All of the ports on the DMS-1005A switch supports automatic MDI/MDIX crossover, eliminating the need for crossover cables. Each port can be plugged in directly to a server, hub, router, or switch using regular straight-through twisted-pair Ethernet cables. In addition, the DMS-1005 switch features multiple front, easy-to-access Ethernet ports with LED indicators per port to easily distinguish link status.

Green Technology

The DMS-1005A 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.

DMS-1005A 5-Port Multi-Gigabit Unmanaged Switch

Connection Diagram



Specifications

Technical Specifications
HW Version
A1
Device Interfaces
5 x 10/100Mbps/1G/2.5G ports
Standards
- IEEE 802.3 10BASE-T - IEEE 802.3u 100BASE-TX - IEEE 802.3ab 1000BASE-T - IEEE 802.3bz 2.5GBASE-T - IEEE 802.3az Energy-Efficient Ethernet (EEE) - IEEE 802.1p 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
25 Gbps
Max. Packet Forwarding Rate
18.6 Mpps
MAC Address Table
4K entries
MAC Address Learning
Automatic update
Packet Buffer
8 Mbits

Physical
Dimensions
195 x 102 x 28.3 mm (W x D x H)
Weight
0.235 KG
Power
DC 12V/1A
Max Power Consumption
3.436 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% RH - Storage: 5% to 90% RH
MTBF
239,163 hours
Heat Dissipation
11.724 BTU/hr
Certifications
Safety
LVD
EMI/EMC
CE Class B, FCC Class B
Ordering Information
Part Number
DMS-1005A
Description
5-port 10/100/1000M/2.5G Unmanaged Switch

Actual performances may vary due to settings, cabling, temperature, network configuration, interface, device compatibility, environmental and on-site conditions, and other similar factors. References to power capability, signal or processing speed, signal range or distance, data encryption, storage capacity, display properties, or other performance metrics are based on optimal conditions derived from industry standards and provided for informational purposes only. Specifications may be subject to change without prior notice.

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