

DW- SW-PoE-24M



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OVERVIEW

The 24 -Port managed PoE Switch, with 24 100Mbit RJ45 ports, 2 Gigabit SFP port and 2 Gigabit Uplink, model DW-SW-PoE-24M, reduces equipment and installation costs by delivering data and power over existing Ethernet cables (CAT5 cable) to Power over Ethernet (PoE) enabled devices such as Access Points and IP Cameras.

Boost office efficiency and reduce network congestion with a total switching capacity of 8.8Gbps. LED indicators display device status for easy power management and troubleshooting. An internal power supply reduces clutter and delivers 25.5 Watts to single PoE port. A convenient on/off button is located on the back of the switch. Non-PoE devices can connect to the switch—auto-sensing PoE technology cuts power to non-PoE connected devices. Use PoE Splitter with the DW-SW-PoE-24M to install non-PoE devices in remote locations.

KEY FEATURES

- 24-Port 10/100Mbps + 2 Gigabit SFP +2 Gigabit Uplink Web smarted PoE Switch.
- 24 -Port supply power to PoE Powered Device .
- Complies with the IEEE 802.3Af/At standard.
- Single port up to 30W, and the total power up to 400w.
- Each switch port support auto-negotiation-10/20, 100/200Mbps (Fast Ethernet) , 1000/2000Mbps (Gigabit Ethernet).
- Support MAC address auto-learning and auto-aging.
- Prevents packet loss with back pressure (Half-duplex) and IEEE 802.3x PAUSE frame flow control (Full-duplex).
- High performance Store and Forward architecture, broadcast storm control, runt / CRC filtering eliminates erroneous packets to optimize the network bandwidth.
- Non-blocking switching architecture that forwards and filters packets at full wire-speed for maximum throughput.
- 8.8 Gbps Switching Capacity.
- On/Off power switch.



SPECIFICATIONS

Model	<ul style="list-style-type: none">▪ DW-SW-PoE-24M
Network protocols and standards	<ul style="list-style-type: none">▪ IEEE 802.3 10BASE-T▪ IEEE 802.3u 100BASE-TX▪ IEEE 802.3ab 1000BASE-T▪ IEEE 802.3z 1000BASE-X▪ IEEE 802.3x Flow Control▪ IEEE 802.3af/at Power over Ethernet
Power Specifications	<ul style="list-style-type: none">▪ Power consumption: maximum 390W▪ PoE Power: 360W▪ Voltage: 100 - 240 VAC, 50 -60 Hz
Network Interface	<ul style="list-style-type: none">▪ 24 10/100M ports (MDI / MDIX adaptive); ports with PoE features (24)▪ 2 10/100/1000M Gigabit copper RJ45 ports (MDI / MDIX adaptive)▪ 2 SFP GBIC fiber module slots
Physical Specifications	<ul style="list-style-type: none">▪ Dimensions: 440 x 310x 44 mm▪ Weight: 6 kg
Electromagnetic Radiation	<ul style="list-style-type: none">▪ CE mark, commercial▪ FCC Part 15 Class A▪ VCCI Class A▪ C-Tick
LEDs	<ul style="list-style-type: none">▪ Each device: power light▪ Per port (10/100 and Gigabit): connection speed indicator▪ Per PoE port: PoE power-on LED

Environmental Norms

- Operating Temperature: 0 ° - 50 ° C (32 ° - 104 ° F)
- Storage Temperature: -20 ° - 70 ° C (-4 ° - 158 ° F)
- Operating Humidity: Maximum relative humidity 90% without condensation
- Storage humidity: 95% maximum relative humidity, non-condensing
- Working height: up to 10,000 feet (3,000 meters)
- Storage altitude: the largest 10,000 feet (3,000 meters)

Radiation Electromagnetic Immunity

- EN 55024

Certification

- CE, FCC, RoHs

Management Standards

- IEEE 802.1Q static VLAN (up to 128)
- IEEE 802.1p Class of Service (CoS)
- 802.3ad link aggregation (manual or LACP)
- 802.1D Spanning Tree Protocol
- SNMP v1/v2/v3
- RFC1213 MIB II
- RFC 1643 Ethernet Interface MIB
- RFC 1493 Bridge MIB
- RMON Group 1,2,3,9
- RFC 2131 DHCP client
- IEEE 802.1x port-based security access control function
- port and MAC address binding function
- MAC ACL
- Based broadcast, multicast and unknown destination address unicast packet flow control function
- IGMP Snooping v1/v2.

MAINTENANCE AND MANAGEMENT

Management Standards

- Based on the entry of the port (ingress) / export (egress) traffic policies
- SNMP
- port mirroring settings
- WEB browser configuration management
- Configuration file upload / download
- Password protection and limit the range of IP addresses device management
- Radius support
- TACACS + support
- Syslog-software upgrade
- QoS (Priority Mode, Port, 802.1p, IP/DS based, TCP/UDP Port Based).

Performance Specifications

- Forwarding modes: Store and forward
- Bandwidth: 8.8 Gbps (non-blocking)
- network latency: 100 Mbps to 100 Mbps transmission, storage and forwarding mode under a 64-byte frame delay is less than 20 microseconds
- Buffer memory: 3Mb per system
- Addressing: 48-bit MAC address
- The address database size: 8,000 per system MAC address
- Mean failure interval (MTBF): 300,000 hours (about 34 years)

Warranty

- 2 years

Package Contents

- DW-SW-PoE-24M 24 port POE switch
- The power cord
- Datasheet
- L rails

CAUTION



- 1) All operation should be provided only by a qualified service technician.
- 2) Make sure the PDs you connected to the Switch are compliant with IEEE 802.3af.
- 3) Make sure the power is off before unplugging the power adapter.
- 4) Makes sure all PoE PDs power consumption is less than total power
- 5) Please avoid any heavy thing placed on the Switch.
- 6) Do not use this product near water, for example, in a wet basement or near a swimming pool.
- 7) Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.
- 8) For outdoor use, the Switch itself should be housed inside a protective enclosure.
- 9) Cutting power during a firmware upgrade can damage your device.
- 10) Only use attachments/accessories specified by the manufacturer.
- 11) Opening the switch or tampering with the warranty sticker can void your warranty.