



MXnet P-Series 24 Port Switch (AC-MXNET-SW24P)

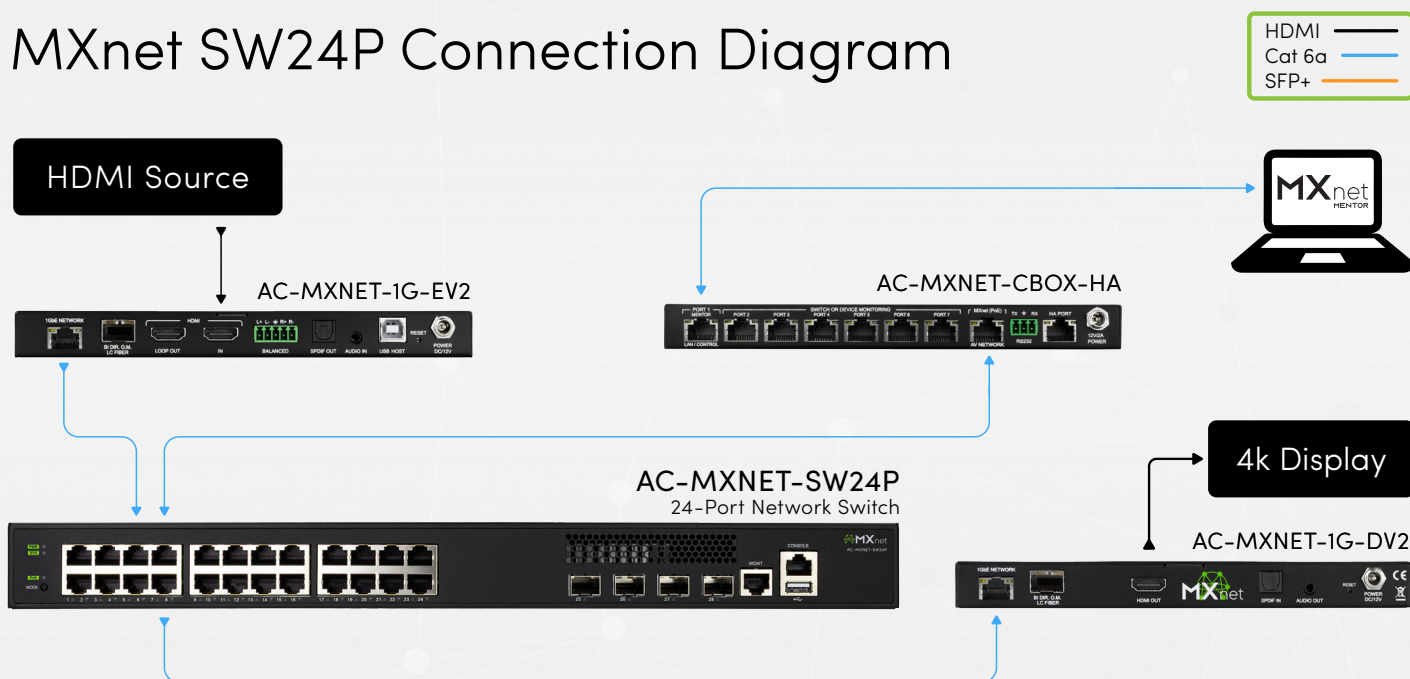
The AC-MXNET-SW24P is purpose-built for MXnet 1G V1/V2 deployments that grow beyond a single switch. With 24 PoE/PoE+ copper ports, 370W total PoE budget, and 4x 10G SFP+ uplink ports, it provides the bandwidth headroom needed to sustain full MXnet 1G port utilization across a stacked deployment without oversubscription or stream degradation.

Preconfigured for MXnet 1G V1/V2, the SW24P eliminates the need for manual setup. IGMP Snooping, VLAN segmentation, and QoS are all optimized out of the box to ensure predictable multicast performance and smooth video switching from day one.

As the successor to the SW24, the SW24P continues to support stacking and uplinking for MXnet 1G, with 40Gbps of total uplink bandwidth exceeding the maximum 1G load across all 24 ports. Streams route without congestion regardless of how many endpoints are active.

Ideal for residential, hospitality, and commercial installations, the SW24P is the go-to choice when a MXnet 1G deployment needs to grow beyond a single switch. The P-Series is designed for MXnet 1G systems at scale.

MXnet SW24P Connection Diagram



PRODUCT SPECIFICATIONS

KEY BENEFITS

PORTS

RJ45 Ports	24x 10/100/1000Base-T PoE/PoE+
SFP+ Ports	4x 10GE SFP+ Ports: 10GbE/1GbE, 10GbE by default
Management Port	1x 10/100/1000BASE-T Management Port (MGMT)
Console Port	1 x RJ45 console port (Out-of-Band)
USB	1 x USB 2.0 Type-A for MXnet Service and storage

SWITCHING

Switching Capacity	128 Gbps
Forwarding Rate	95.24 Mpps
MAC Address Table	16K
Jumbo Frame Support	Up to 10,000 bytes
Hardware Queues per port	8
ARP Table	788
Routing Table	758

HARDWARE

Switch ASIC	Marvell AC5 98DX2518
RAM	1GB
Flash	8MB SPI / 256MB NAND

POWER

Power Input	AC 100–240V, 50/60Hz
Power Supply	Internal AC
Maximum Power Consumption	<880W
PoE Standard	IEEE 802.3af (PoE), IEEE 802.3at (PoE+)
Total PoE Power Budget	370W
PoE Ports	Port 1–24 (up to 30W per port)

ENVIRONMENTAL

Operating Temperature	–5°C to 45°C (23°F to 113°F)
Storage Temperature	–40°C to 70°C (–40°F to 158°F)
Operating Humidity	10%–90% non-condensing
Storage Humidity	Up to 95%

PHYSICAL

Rack Space	1RU
Mounting Methods	Rackmount
Product Material	Metal

DIMENSIONS

Dimensions (Unit only Width/Depth/Height)	17.38" x 11" x 1.5" (441mm x 279mm x 38mm)
Dimension (Packaged Width/Depth/Height)	21.75" x 16.25" x 3.5" (552mm x 413mm x 89mm)
Weight (Unit)	8.84 lbs (4.01 kg)
Weight (Packaged)	11.06 lbs (5.02 kg)
Product Warranty	10 year warranty

Specifications subject to change without notice. Mass & dimensions are approximate.

- **24x PoE/PoE+ Copper Ports:** Power and connect MXnet 1G encoders, decoders, and AV devices directly with up to 370W total PoE budget.

- **4x 10G SFP+ Uplink Ports:** Enable stacking and uplinking for MXnet 1G deployments with 40Gbps total uplink bandwidth with room to spare.

- **Preconfigured for MXnet 1G:** Plug-and-play setup with IGMP Snooping, VLAN segmentation, and QoS optimized out of the box for MXnet 1G V1/V2.

- **Non-Blocking for MXnet 1G:** 40Gbps uplink bandwidth exceeds the maximum 1G load across all 24 ports (1.96x headroom).

- **Built for MXnet 1G at Scale:** The P-Series is designed for MXnet 1G systems at scale, supporting stacking and uplinking when a deployment grows beyond a single switch.

- **370W PoE Budget:** Powers up to 16x USP-PR or 24x USP-PL/ES endpoints without external power supplies.

- **Compact 1RU Design:** Fits cleanly into standard AV racks for professional residential and hospitality installations.

