



MXNet 1G WALL PLATE ENCODER (AC-MXNET-1G-EWP)

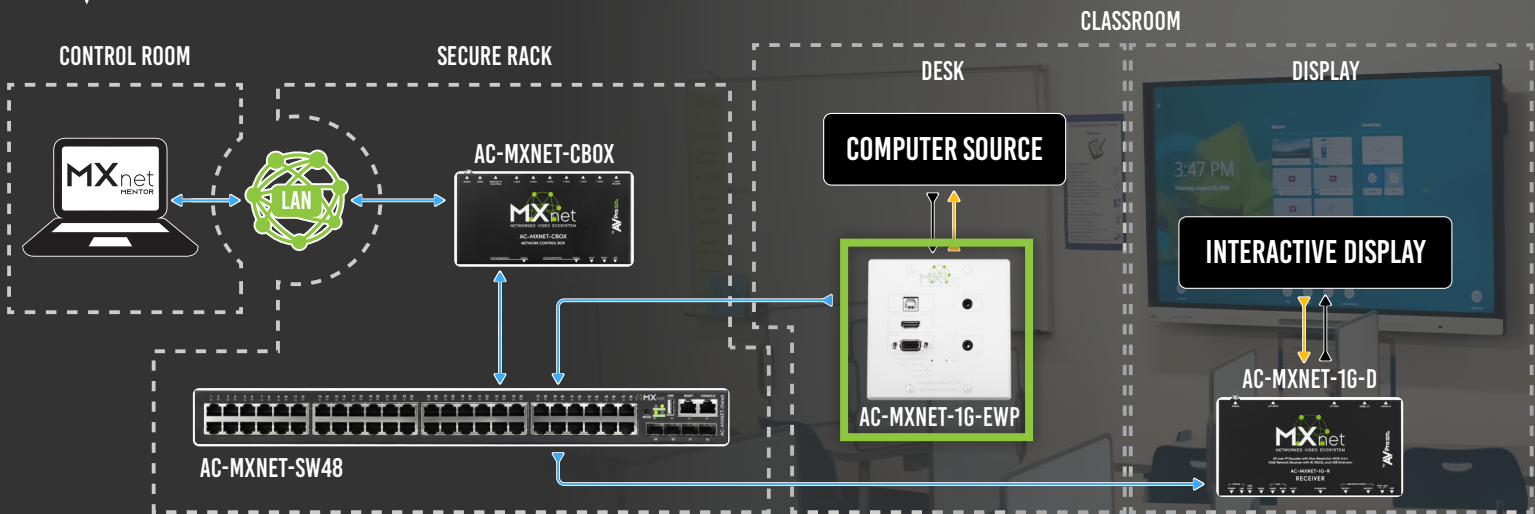
Clean, sleek, and stable. That is what you get when you install this AV over IP encoder device that fits into any standard dual-gang mud ring. Connect this MXNet wall plate to any HDMI source and it will encode the audio/video signal into a multicast data format that can be routed to any Decoder endpoint within the project/installation. This device connects directly via category cable (CAT 5e or better) to any MXNet switch. The AC-MXNET-1G-EWP is a part of the MXNet family of AV-over-IP products from AVPro Edge.

The AC-MXNET-1G-EWP will encode a full 4K 4:4:4 60Hz HDMI video signal – along with audio, control, power, and HDR metadata. These signals are passed to single or multiple Decoder endpoints via multicast routing through an MXNet or multicast compatible L3 managed network switch. It does all this with next to zero latency. MXNet Encoders encode audio/video/control signals into IP packets using an optimized JPEG2000 codec at a flexible data rate (200Mbps for 1080p content, 300Mbps for 4K30 content, 850Mbps at peak).

The AC-MXNET-1G-EWP Encoder is only one part of the MXNet Ecosystem that includes Encoders, Network Switches, Control Processors and other various components designed to facilitate the building of a custom A/V distribution system. MXNet’s Ecosystem includes formatting such as resolution scaling, full EDID management, HDR and Dolby Vision metadata, multifaceted video walls, and includes the MXNet Mentor setup and control tool – making installations easy on the integrator, while also presenting a major WOW factor for your client.



MXNET EDUCATION APPLICATION



MXNet by AVPro Edge

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PRODUCT SPECIFICATIONS

VIDEO:	
Signal Type	Analog RGBHV, HDMI 2.0b
Video Resolution	4K@60Hz 4:4:4*, 4K@30Hz 4:4:4, 4K@60Hz 4:2:0
HDR Format	HDR 10, HLG, DV
Chroma Subsampling	444, 422, 420
Bit Depth per Color	1080P (16Bit), 4K (10, 12 Bit)
AUDIO:	
Audio Format (end to end)	PCM 2, 5.1, 7.1 Channel, Dolby Digital 5.1 Channel, Dolby Digital Plus, DTS 5.1 Channel, DTS-ES, DTS-HD High Resolution
Embedde Audio	Stereo Analog Audio
PORTS:	
Ethernet	(1) x female RJ-45, PoE
HDMI	(1) x HDMI Type A 19-pin, female, one HDMI input,
Audio	(1) x 3.5 mm mini stereo jack, Audio in
RS232	(1) x 3.5 mm femal jack
USB	(1) x USB 2.0 Type-B for USB extension and KVM, (1) x USB Micro Type-B for MXNET service
DISTANCE:	
Ethernet	100 Meters/ 330 Feet over CAT5e and above
ENVIRONMENTAL:	
Operating Temprature	23 to 125°F (-5 to 51°C)
Storage Temperature	-4 to 140°F (-20 to 60°C)
Operating Humidity	5-90% RH (No Condensation)
POWER:	
Max Power Consumption	7W
PoE (Power over Ethernet)	IEEE 802.3af (15.4W)
DIMENSIONS:	
Mounting	Wall Mount
Dimensions (Unit Only Width/Depth/Height)	mm: 68 X 87 X 47 inch: 2.68 X 3.43 X 1.85
Dimensions (Packaged Width/Depth/Height)	mm: 155 X 134 X 87 inch: 6.10 X 5.28 X 3.43
Weight (Unit)	1.17 LBS/0.53 KG
Weight (Packaged)	1.7 LBS/0.77 KG
Regulatory	CE/FCC/UL
Product Warranty	10 Years
Specifications subject to change without notice. Mass & dimensions are approximate 4K60 4:4:4/4K60 4:2:2 Uses ICT Compression	



FEATURE SET

- 1G MAXIMUM DATA RATE
- BANDWIDTH MANAGEMENT VIA MXNET MENTOR
- USES ANY STANDARD CATEGORY CABLE (CAT 5E OR BETTER)
- WALL PLATE FORMAT THAT FITS IN STANDARD DUAL-GANG MUD RINGS
- USB/KVM HOST SUPPORT
- FULL EXTERIOR LIGHT CONTROL (FOR DISCREET INSTALLS)