



# MXNet 10G TRANSCIVER

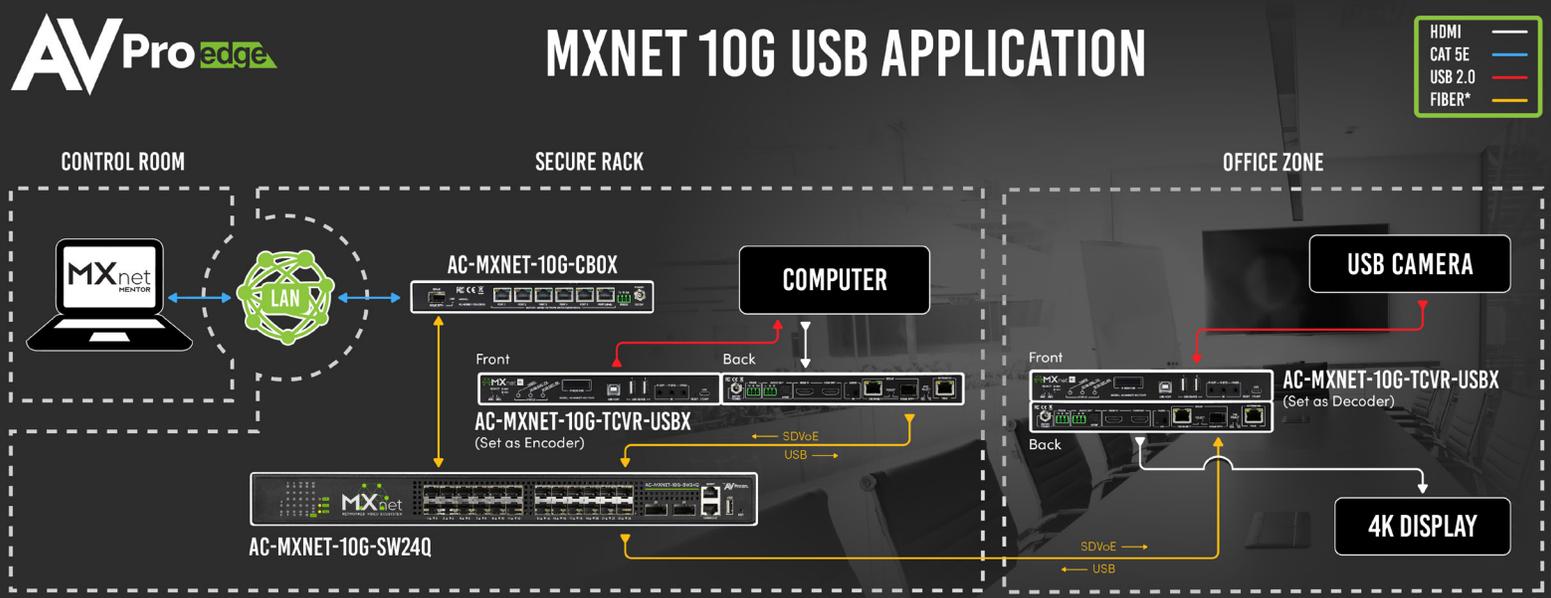
WITH ICRON TECHNOLOGIES, THE EXTREMEUSB®  
**(AC-MXNET-10G-TCVR-USBX)**

The AC-MXNET-10G-TCVR-USBX is identical to the AVPro Edge AC-MXNET-TCVR in baseline configuration and technical profile, while supplemented by the engineering sciences from USB extension leader Icron Technologies for unique design and functional flexibilities. AC-MXNET-10G-TCVR-USBX directly and effectively addresses installations where KVM requirements are equally paramount to the advanced concepts cultivated into MXNet-10G for audio, video, and control signal data transport.

Incorporating ExtremeUSB®, Icron's premier USB technology, the AC-MXNET-10G-TCVR-USBX fortifies the portfolio of MXNet 10G heavy-duty AV-over-IP multicast standard and hybrid transceivers to provide integrators with versatile, ideal solutions for challenging and demanding applications.

### Icron USB

Patented by Icron Technologies, the ExtremeUSB® suite of features enables extension of native USB connections beyond the traditional USB standard 5 meter limitation. Through precise control over strict USB specification timing requirements with physical transmission media, including both Category wire and fiber, ExtremeUSB manages turnaround time quotients in the USB protocol between the local point and all remote points.



\*Single or Multimode Fiber with 10G SFP+ Modules or 10G SFP+ AOC Cable

# PRODUCT SPECIFICATIONS

## PORTS:

Ethernet	(1) 10G female RJ45 port for SDVoE transmissions, (1) 1G female RJ45 port for Ethernet extension or CBOX control. Both are PoE compatible.
SFP+	(1) 10G SFP+ Port used for SDVoE transmissions
HDMI	(1) HDMI input (1) HDMI output
Audio	(1) TOSLINK (1) x 3 Pin Terminal Block (1) 3.5mm female stereo jack. It can be audio input or audio output, depending on if TCVR is in Encoder or Decoder mode respectively.
IR	(1) 3.5mm IR OUT Port (1) 3.5mm IR-EYE Port (1) 3.5mm I-PASS Port
RS232	(1) x 3 Pin Terminal Block for MXNet System Control
USB	(1) USB Type-C for MXNet Service (1) USB Type-B full speed USB 2.0 480Mbps Data Rate (2) USB Type-A full speed USB 2.0 480Mbps Data Rate

## DISTANCE:

Ethernet	100 Meters/330 Feet over CAT6a
SFP+ and Fiber	10G SFP+ AOC cable up to 3 meters, 10G SFP+ Multimode transceiver over Multimode fiber up to 550 meters, 10G SFP+ Single mode transceiver over Single mode fiber up to 20 Kilometers

## ENVIRONMENTAL:

Operating Temperature	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)
Thermal dissipation	Encoder 39.32 BTU/hr, Decoder 33.56 BTU/hr

## POWER:

Power Consumption	Encoder ≈7W, Decoder ≈8W
PoE (Power over Ethernet)	IEEE 802.3af (15.4W)
Power Supply Unit	Input: AC 120-240V, 50/60Hz, 0.8A Output: DC 12V, 2A

## DIMENSIONS:

Mounting	Rack and Furniture mount support
Dimensions (Unit)	mm: 215 × 140 × 25 inch: 8.46 × 5.51 × 0.98
Dimension (Packaged)	mm: 310 × 180 × 54 inch: 12.2 × 7.09 × 2.13
Weight (Unit)	1.76 lbs./0.8 kg
Weight (Packaged)	2.25 lbs./1.02 kg
Regulatory	CE/FCC
Product Warranty	10 Years

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

# FEATURE SET

- Unlimited sources to infinite endpoints with device totals limited only by the number of available switch ports
- Zero compression, zero frame latency, zero image artifacts up to 4K/30fps 4:4:4 8-bit
- 4K/60fps content uses an extremely light, 1.3:1 compression process which restores original data at endpoints for images identical to uncompressed content
- Genlock mode reduces latency to 0.1ms (or 1/400th of a frame) equal to high performance physical matrix switchers for mission-critical switching times
- MultiView for up to 32 images is standard and available for display on any monitor, TV or projector
- Video wall ready with sizing and bezel administration
- Non-genlocked fast switching of between one to two frames (approximately 17-34 milliseconds)
- Audio Breakaway and Independent signal routing for total signal flexibility
- Bidirectional Control for: IR; RS-232; Hi-Speed USB 2.0; Ethernet 1Gbs
- USB-B Host connection and KVM Control
- Third-party control and MXNet-10G Mentor WEB GUI via AC-MXNET-10G-CBOX

## Exclusive Icron USB Features

- Icron Technologies ExtremeUSB® feature suite ensures a consistent, trouble-free user experience
- Plug and Play
- No software drivers required
- Compatible with Windows, Mac OS and Linux
- USB Low, Full and High Speed support
- Up to 480mbps throughput

