

SDVoE powered Modular Matrix System with 4K Support

Distribute perfect, zero latency, UHD 4K HDMI signals over a 10G network

MPN: EXT-PROMATRIX
EXT-PROMATRIXUSB
EXT-PROCTRL



The KanexPro SDVoE powered Modular Matrix system is the most versatile flexible video distribution solution. The system is composed of transceiver devices that can be configured as either video transmitters or receivers with a simple click of a mouse. The whole system is controlled and configured by a single control module which makes setup a snap.

Extreme Performance

Seamless switching and absolutely zero latency performance create the perfect AV distribution system to be used in Medical and live performance where milliseconds matter.

Versatile Hardware

Make use of the specialized transceiver module which can be transformed from an encoder to a decoder instantly.

Endless Possibilities

Powerful controller tool allows for the system to function in ways previously unimaginable, Matrix, switch, scale, Multiview and Video Wall with Picture in Picture capabilities without the use of big bulky hardware.

Connections Made Simple

When paired with a 10G PoE switch the system automatically identifies each transceiver on the network.

FEATURES

- Transceivers can be configured to function as either a Transmitter or a Receiver
- Control over matrix, video wall, and multi-viewer modes using WebGUI presets
- WebGUI clearly displays the status of all connected Transmitters and Receivers, including IP address, channel selection, etc.
- Dual LAN ports enable control over VoIP installations that reside on a logically or physically separate network from the standard local network
- Can be powered directly by Power over Ethernet (PoE) when connected to an Ethernet switch that follows the 802.3af PoE standard (Optional)
- Optional Rack Mounting system, Power manager, and supporting accessories available

SPECIFICATIONS

EXT-PROMATRIX

INTERFACE

Input Port: 1x HDMI (Type-A)
Output Port: 1x HDMI (Type-A)
Bi-directional Port: 1x 10GbE LAN (RJ-45)
Control I/O: 1x IR Extender (3.5mm)
 1x IR Blaster (3.5mm)
 1x RS-232 (3-pin Terminal Block)
 1x Ethernet (RJ-45)

VIDEO

HDMI Compliance: 2.0 (DVI 1.0)
HDCP Compliance: 2.2
Input Signal Types: 4K@60, HDR10
Output Signal Types: 4K@60, HDR10
Resolutions
Maximum Input: HDMI 4096x2160p@60
 2560x1600p@60RB
 Ethernet 4096x2160p@60
 2560x1600p@60RB

AUDIO

Digital Formats: HDMI 8CH LPCM, Bitstream, HD Bitstream
Analog Formats: Unbalanced 2 Channel
Line Level: Frequency Response: < ±0.5dB (20Hz to 20kHz)
 THD: < 0.02% (20Hz to 20kHz)
 S/N Ratio: > 80dB (1kHz with 0dBFS)
 Crosstalk: < -80dB (10kHz, Vin=0dBFS)

Audio: 1x Unbalanced Stereo (3.5mm)
 Transmitter: Audio In or Out (depends on configuration)
 Receiver: Audio Out
Service Port: 1x USB (Mini-B)

Maximum Output: HDMI 4096x2160p@60
 2560x1600p@60RB
 Ethernet 4096x2160p@60
 2560x1600p@60RB

EXT-PROMATRIXUSB

INTERFACE

Input Port: 1x HDMI (Type-A)
Output Port: 1x HDMI (Type-A)
Bi-directional Port: 1x 10GbE LAN (RJ-45)
Pass-through Ports: 1x Unbalanced Stereo (3.5mm)
 1x IR Extender (3.5mm)
 1x IR Blaster (3.5mm)
 1x RS-232 (3-pin Terminal Block)
 1x Ethernet (RJ-45)
 2x USB (Type-A)

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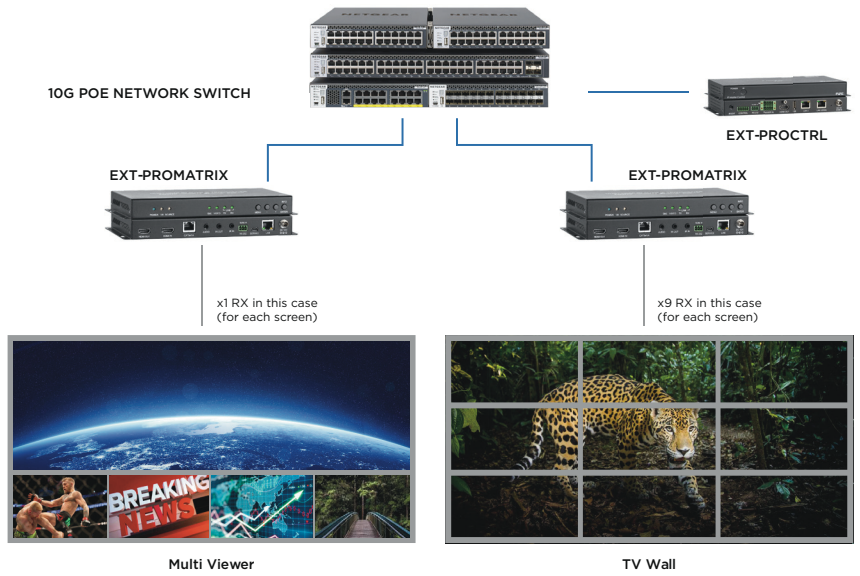
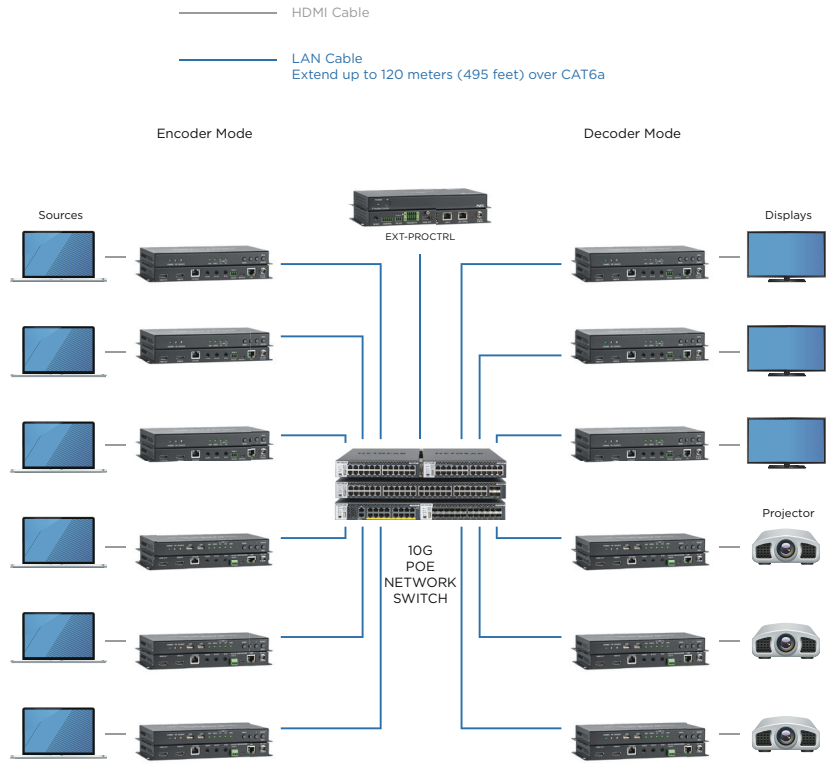
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APPLICATION DIAGRAM



KanexPro SKU	Product Description	UPC Code	MSRP
EXT-PROMATRIXUSB	KanexPro SDVoE powered Modular Matrix Transceiver with USB Extender	813982022423	\$2,199.95
EXT-PROMATRIX	KanexPro SDVoE powered Modular Matrix Transceiver	813982022430	\$1,999.95
EXT-PROCTRL	KanexPro SDVoE powered Modular Matrix Controller	813982022447	\$1,099.95
EXT-PRORACK	KanexPro Modular Matrix 6U Rack Chassis	813982022454	\$599.95
EXT-PROFAN	KanexPro Modular Matrix 6U Cooling Fan System	813982022461	\$89.95
EXT-PROPOWER	KanexPro Modular Matrix 12V DC Power Manager	813982022478	\$899.95
EXT-PROCOVER	KanexPro Modular Matrix Rack Chassis Blank Panel	813982022485	\$69.95