

## IPMX Transceiver

P-AVN-4

**PlexusAV's** P-AVN4 is an IPMX transceiver that can be easily configured to operate as an encoder or decoder. Featuring 1 Gigabit connectivity, the P-AVN4 harnesses IPMX to provide open standards-based transport with JPEG-XS, JPEG-XS FIP, H.264 and HEVC codec options. The P-AVN4 boasts three 1 Gigabit network ports, allowing user to separate video, audio and data streams over separate networks or V-Lans.



This AVN series transceiver supports both HDMI inputs and outputs with HDCP support, USB-C video inputs and analog audio I/O. A Restful-API, IR and RS232 are included providing easy system connectivity.

The P-AVN-4 can be used for small deployments without the need of using our Plexus Visual Array as it comes with its own built-in fully functional web interface. For bigger scale deployments it is fully compatible with our Visual Array for easy deployment, management and control.

Its support for H.264 and HEVC codecs, allows traversing from the main AV network to a corporate or campuswide network where high bandwidth signals are simply not allowed.

### Key Features

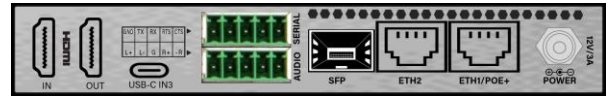
- 1GB Ultra Low latency
- Based on IPMX open standards
- Supports resolutions up to 4KP60 444
- HDMI and USB-C video input or output
- 3 network ports, POE+ and SFP
- Encoding and decoding JPEG-XS with RGB profile
- Secondary H.264/265 streaming
- Professional balanced Audio, Dante Audio and AES67 support
- Small form factor - 1/3rd RU wide

### Applications

- Virtual Matrix Switching
- Digital signage signal distribution
- E-Sports and content creation
- Meeting rooms
- Entertainment, stadiums and large venues
- Educational content networks

## Specifications

P-AVN-4 - 1G IPMX Transceiver



## Input Interfaces

HDMI input:	HDMI2.1/HDCP 2.3/HDR10
USB-C (3)	Displayport input and USB 3.0 data
IR Input:	3.5mm Mini-jack
RS-232:	5-Pin Phoenix Plug (RX)
Analog Audio in:	5- Pin Phoenix Plug
USB-C (1 and 2):	USB 2.0 Data

## Output Interfaces

HDMI OUT	HDMI2.1/HDCP 2.3/HDR10
IR Output:	3.5mm Mini-jack
RS-232 TX:	5-Pin Phoenix Plug
Analog audio out:	5-Pin Phoenix Plug

## Video and Audio Codecs

Video:	JPEG-XS, JPEG-XS FIP, H.264, HEVC
Audio:	PCM, DOLBY DIGITAL, AES-67, Dante

## Data Interfaces

Ethernet 1:	RJ-45/POE+ 10/100/1000 Auto-Negotiating
Ethernet 2:	RJ-45 10/100/1000 Auto-Negotiating
Ethernet 3:	1GB SFP 10/100/1000 Auto-Negotiating
Protocols:	TCP/UDP/RTP/UNICAST/MULTICAST

## Management

WebUI:	On-board web interface
External Control:	REST API
Plexus Visual Array:	Compatible
NMOS Support:	IS-04 and IS-05

## DIMENSIONS/POWER

Size:	162 mm x 143mm x 26 mm (6.37" x 5.63" x 1,02")
Weight:	1.3 lbs (0.6kg)
Power:	12V DC / 3A
Supplies:	1x External power supply (sold separately)

