▶ AVIP-P5102TR-B1F

UHD⁺ 2x1 HDMI/DP to HDMI Bi-directional AV over IP Transceiver W/USB 2.0 HUB

This Transceiver is a brand new meaning of transceiver, which able to transmit and receive signal at the same time, there's no need to configure transmitter/ receiver anymore. The unit is designed for high-quality, AV extension with minimum latency through IP transmit. With ultra-light compression scheme (lossless for most content) to extending, 4K audio/video streams (HDMI or DisplayPort) with simultaneous transmitter and receiver Video, and data under 0.1 milliseconds of matrix switch-like end to end transit.

Full suite of peripherals supported, including 1G Ethernet, RS232, IR and USB 2.0 hub equipped. The integrated USB hub of each Transceiver can be configured to be in USB Host or Device Mode and can function as a simple point to point KVM extension, freely routed between any two endpoints, or it can be configured into a special "Simultaneous" mode, allowing up to 7 Host Mode Transceivers to extend their USB ports to a single Device Mode Transceiver. This type of USB KVM routing flexibility enables a wide range of multi-user, control room, or on-demand installation scenarios.

PANELS

Front View

Rear View

FEATURES

- Broadcast quality scaler, programmable to scale up or down any resolutions up to 4K
- Video wall image splitting with bezel correction
- Ultra-light compression, lossless for most content
- Analog stereo audio extension, insertion and extraction (insertion and extraction requires optional control center or control software)
- Simultaneously transmission and receive.
- Signal transmission interfaces with 10-Gigabit Ethernet switches via XFI (IEEE 802.3ae) compatible SFP+ fiber modules
- Basic configuration via front panel buttons with an On-Screen Display (OSD)
- Supports the use of an external control center or control software to provide expanded functionality

SPECIFICATIONS

Interfaces

Input Port	1 HDMI (Type A) 1 DisplayPort(Female) 1 Analog(3.5mm)
Output Port	1 HDMI (Type A) 1 Analog(3.5mm)
Bi-directional Port	1 10GbE LAN (SFP+)
Control I/O	1 Ethernet (RJ-45) 1 IR Extender (3.5mm) 1 IR Blaster (3.5mm) 1 RS-232 (3-pin terminal block) 1 USB (Mini-B) 2 USB(Type A)

Video

HDMI Compliance	HDMI 2.0 (DVI 1.0)	
HDCP Compliance	2.X	
Input Signal Types	4096x2160p@60 YUV 4:4:4	
Output Signal Types	4096x2160p@60 YUV 4:4:4	
	Resolutions	
Maximum Input	HDMI	4096×2160p@60 YUV 4:4:4
	DP	4096×2160p@60 YUV 4:4:4
Maximum Output	SFP+ (Streaming)	4096×2160p@60 YUV 4:4:4
	HDMI	4096×2160p@60 YUV 4:4:4

Audio

Digital Format:	HDMI	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream
	DP	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream
	SFP+	LPCM (8 Channels), Bitstream, High Bit Rate Bitstream
Line Level	Line In	1 Vrms S/N Ratio: > 80dB (1kHz with 0dBFS)
	Line Out	1 Vrms S/N Ratio: > 80dB (1kHz with 0dBFS)

Power

Power Supply	12V/3A DC (Locking)
Power Consumption	18.51W

Enclosure

Chassis Material	Metal (Steel)
Chassis Color	Black
Dimensions **(W×H×D)**	231.5mm×25mm×158mm [Case Only] 231.5mm×25mm×167mm [All Inclusive]
Weight	916g

Field Firmware Update

PC

ORDERING INFORMATION

Model No.	Product Description
AVIP-P5102TR-B1F	UHD⁺ 2x1 HDMI/DP to HDMI Bi-directional AV over IP Transceiver W/USB 2.0 HUB
AVIP-P5101TR-B1F	UHD⁺ 2x1 HDMI/DP to HDMI Bi-directional AV over IP Transceiver W/HID USB
CH-V502TR	UHD⁺ HDMI/USB AV over IP Transceiver
COH-TR7	UHD⁺ HDMI/DP/USB AV over IP Transceiver

DIAGRAM