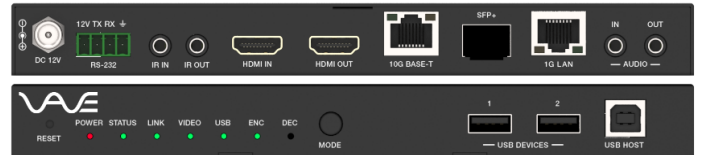


AVIP-SDVOE -10G-TRX

Transceiver SDVoE Transceiver
Combo Box with Copper and Fiber

FEATURE:

- HDMI 2.0b and HDCP 2.2 compliant
- Support video resolution up to 4K@60Hz 4:4:4, 18Gbps video bandwidth
- Flexible transceiver design (Encoder, Decoder, Copper and Fiber ports within a single box)
- Encoder or Decoder mode can be set via Button or API
- Automatic detection of Fiber and Copper ports (priority can be set)
- Encoder supports HDMI Loop out
- Support HDR10, Dolby Vision, HLG, 3D as well
- Support full HDMI audio formats, up to Dolby TrueHD, Dolby Atmos and DTS-HD, DTS:X
- Support Zero-Frame latency operating mode
- Support signal extension, seamless switching, Matrix, Video Wall up to 9x9 and Multi View up to 25 windows
- Flexible audio routes control including bidirectional analog audio transmissions between Encoder and Decoder
- Built-in H.264/H.265 Secondary Stream (SS) for preview
- Support Secondary Stream VLAN tagging and parameters configuration
- Support bi-directional IR and RS-232 control signal pass-through
- Support USB2.0 (KVM), CEC routing control
- Standard POE supported (802.3at PD device)
- 10G managed network switch



AVIP-SDVOE-10G-TRX

This transceiver is an SDVoE-Compliant, All-In-One AV over IP solution that provides highest-quality, uncompressed 4K and zero-frame latency audio/video extension over a standard 10G Copper or Fiber Network Switch with instant switching, Video Wall and Multi View functions. It can transfer advanced HDMI content such as HDR (high dynamic range), full color-depth and multichannel HD Bitstream audio. Flexible transceiver design (one box can be set to encoder or decoder) is much convenient in a real installation site and inventory control. Its built-in Secondary Stream supports a high quality, bandwidth configurable H.264/H.265 compression video stream for portable device preview purpose. Multiple control and data signals can be transmitted along with audio and video signals simultaneously, including bi-directional IR, RS-232, USB KVM, CEC and 1G Ethernet.



AV over IP

Transceiver SDVoE Transceiver
Combo Box with Copper and Fiber



AVIP-SDVOE-10G-TRX Transceiver SDVoE Transceiver Combo Box with Copper and Fiber

SPECIFICATIONS:

Technical

HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2
Video Bandwidth	18Gbps
Input Format	10GBaseT
Network Video Bandwidth	10G
Video Resolution	Up to 4K@60Hz 4:4:4
Color Space	RGB, YCbCr 4:4:4 / 4:2:2 / 4:2:0
Color Depth	Full Color-Depth
HDR	HDR, HDR 10, HDR10+, Dolby Vision, HLG
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD, DTS:X
Analog Audio Formats	Left and Right stereo analog audio
Transmission Distance	100m (CAT6A/7) / 70m (CAT6)
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)

Connections

Input ports	1x HDMI IN [Type A, 19-pin female]
	1x USB 2.0 HOST [Type B, 4-pin female]
	1x IR IN [3.5mm Jack]
	1x AUDIO IN [3.5mm Jack]
	1x RS-232 [4-pin phoenix connector]
Output ports	1x HDMI OUT [Type A, 19-pin female]
	1x AUDIO OUT [3.5mm Jack]
	1x IR OUT [3.5mm Jack]
	2x USB 2.0 DEVICE [Type-A, 4pin female]
Network ports	1x 10G BASE-T [RJ45 jack]
	1x 10G SFP+ [Fiber slot]
	1x 1G LAN [RJ45 jack]

Mechanical

Housing	Metal Enclosure
Color	Black
Dimensions	204mm [W] x 134mm [D] x 21.5mm [H]
Weight	693g
Power Supply	Input: AC100 - 240V 50/60Hz, Output: DC 12V/2.5A (US/EU standards, CE/FCC/UL certified)
Power Consumption (Max)	13.5W
Operation Temperature	32-104°F/0 -40°C
Storage temperature	-4-140°F/-20-60°C
Relative Humidity	20-90% RH (no condensation)