

UXP-TRS4K

Standalone AV Gateway



NUCLEUS
AV OVER IP - SIMPLIFIED

EvertzAV's NUCLEUS is an AV over IP platform developed exclusively for enterprises looking for the highest in quality and reliability while maintaining a simplified user experience.



Key Features

- One HDMI 2.0a input and one HDMI 2.0a output
- Resolution up to 4096x2160p @ 60 Hz, 4:4:4 color sampling*
- Standalone device with integrated fan
- Auto-discovery and simplified provisioning features
- Ultra low latency transport over 1GbE links
- Third-party control support



Standalone AV Gateway

The UXP-TRS4K standalone AV gateway accepts one HDMI input and one HDMI output. The UXP-TRS4K is a standalone device which is compact and quiet and can be installed in various in room locations, including behind monitors, and under/inside desks, lecterns, and floor boxes. In addition to one HDMI input and output the TRS4K also accepts a discrete audio input and output.

Live AV Over IP Transport

Using 1Gbps Ethernet the UXP-TRS4K encapsulates video, audio, HID, and Ethernet control data at the same time. The UXP-TRS4K encompasses an HDMI 2.0a input and output and transports AV data with ultra low latency over its 1GbE links.

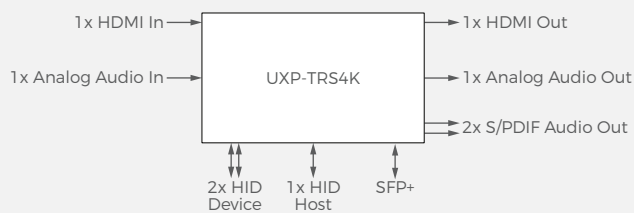
Fully Integrated with the NUCLEUS Platform

The UXP-TRS4K is a managed element of the NUCLEUS platform which is controlled by the NUCLEUS Session Manager – a full featured centralized management server used for the configuration, control, and orchestration of the UXP AV gateways. Any combination of UXP AV gateways can be interconnected using a COTS (Commercial Off The Shelf) network switch and then configured and managed by the NUCLEUS Session Manager.

Easy Setup. No Programming Required

The NUCLEUS platform operates on a simplified configuration framework allowing administrators the ability to set up a fully functional AV distribution network in no time at all without the hassles associated with most AV distribution platforms available on the market today. The process has been streamlined so that a UXP AV gateway can be taken out of the box and be put to use in less than five minutes. Whether big or small, deployments of all sizes are handled the same way, using the same consistent process.

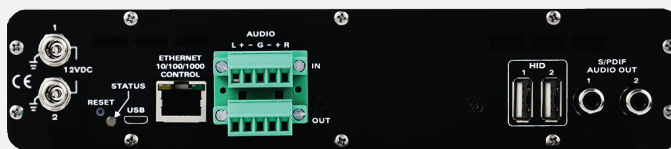
Inputs and Outputs



Front



Rear



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Contents Subject to Change
Rev. 13

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UXP-TRS4K

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Specifications

Video Inputs	1 HDMI 2.0a
Video Outputs	1 HDMI 2.0a
Supported Resolutions	Up to 4096x2160p @ 60 Hz (4:4:4 color sampling)*
Audio Inputs	1 stereo balanced analog (terminal header)
Audio Input Impedance	High impedance
Audio Input Level	Line level (+4dBu)
Audio Outputs	1 stereo balanced analog (terminal header) 2 S/PDIF
Audio Output Impedance	600 Ω
Audio Output Level	Line level (+4dBu)
USB/HID	2 HID device ports (type A) 1 HID host port (micro type B)
Control Port (Out-of-Band)	10/100/1000 BASE-T RJ45 Ethernet Port (IEEE 802.3)
Transport Port	2x SFP+ cages. Either can be used for NUCLEUS transport at rates of 1GbE, 2.5GbE or 10GbE (see available accessories)
Output Scaling	Yes
HDMI Audio	LPCM (up to 8 channels) Passthrough support for Dolby Digital [®] /AC-3, Dolby Digital EX, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS [®] , DTS-ES, DTS-HD High Res, DTS-HD Master Audio, DTS:X
SNMP Support	Yes
In-Band Control	Yes
Control System	NUCLEUS Session Manager
Third-Party Control Support	Yes
Web-Based Configuration	Yes (via NUCLEUS Session Manager)
Security Compliance	Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG)
DC Input Voltage	12VDC via supplied power adapter
Power Supply	100-240V / 47-63Hz AC input; 12VDC / 5A output
Power Consumption	30W
Ambient Operating Temperature	32° to 104° F (0° to 40° C)
Relative Humidity	10% to 90% RH (non-condensing)
Dimensions (H x W x D)	1.81in x 8.25in x 6.56in (45.97mm x 209.55mm x 166.62mm)
Weight	32 oz (907.19 g)

Ordering Information

UXP-TRS4K	Standalone AV gateway: HDMI input or output, audio, HID USB, and Ethernet
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Available Accessories

UXP-SFP2-1G-T	SFP+, 1000 BASE-T RJ45, 100m
UXP-SFP-2G5-T	SFP+, 2.5G BASE-T RJ45, 100m
UXP-SFP-10G-T	SFP+, 10G BASE-T RJ45, 30m
3405PS-6HO	Six output primary and redundant auto-ranging power supply, 100V - 240V AC at 50/60Hz
UXP-RACK-PAF-1	Panel assembly for rack mounting one UXP-TRS4K gateway in a 19in rack
UXP-RACK-PAF-2	Panel assembly for rack mounting two UXP-TRS4K gateways in a 19in rack

*4096x2160p @ 60 Hz (4:4:4 color sampling) is the highest resolution supported by the UXP-TRS4K AV gateway and can be achieved only when deployed in a 10GbE network.
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