

UXP-TRM4K Modular 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*
- Auto-discovery and simplified provisioning features
- Ultra low latency transport over 1GbE links
- Real-time directory integration and access
- Third-party control support
- Graphically rich, icon-based BYOD web-based UI



Modular AV Gateway

The UXP-TRM4K modular AV gateway accepts a single HDMI input and HDMI output, in addition to audio and HID. The UXP-TRM4K is a modular device and is installed in an Evertz rack mount modular frame. This approach offers flexibility and density as well as a secure and reliable solution for mounting next to servers. In addition to an HDMI input and output the UXP-TRM4K can send and receive embedded audio, discrete audio, and HID USB over your IP network.

Live AV Over IP Transport

Using 1Gbps Ethernet the UXP-TRM4K encapsulates video, audio, control data at the same time. The UXP-TRM4K encompasses an HDMI 2.0a input and output and transports AV data with ultra low latency over its 1GbE links.

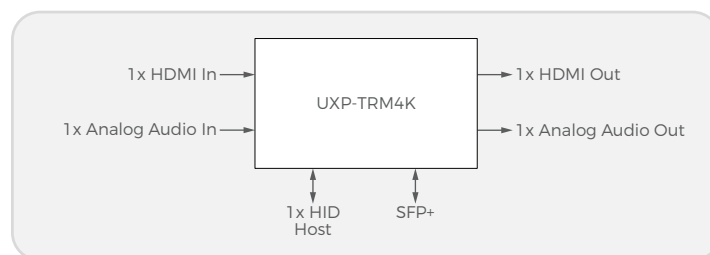
Fully Integrated with the NUCLEUS Platform

The UXP-TRM4K 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.

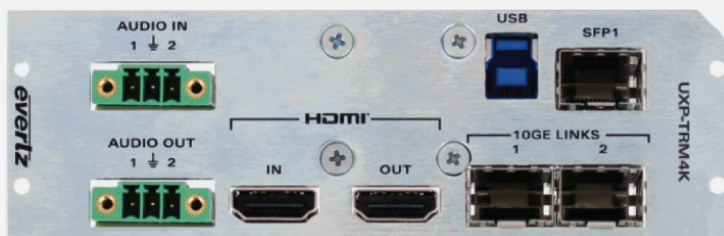
No Fuss Setup. No Programming Required

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



UXP-TRM4K



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Contents Subject to Change
Rev. 09

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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 unbalanced analog (terminal header)
Audio Input Impedance	High impedance
Audio Input Level	Line level (+4dBu)
Audio Outputs	1 stereo unbalanced analog (terminal header)
Audio Output Impedance	600 Ω
Audio Output Level	Line level (+4dBu)
USB	1 HID host port (USB type B)
Transport Ports	2 SFP/SFP+ (see available accessories)
1G/10G Redundancy	Yes
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
Security Compliance	Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG)
Modular Design	7800/7801 device, installed in 7800/7801FR
Slots	2
DC Input Voltage	12VDC provided by frame
Power Consumption	25W
Operating Temperature	32° to 104° F (0° to 40° C)
Relative Humidity	10% to 90% RH (non-condensing)

Ordering Information

UXP-TRM4K	Modular AV gateway: HDMI input or output, audio, and HID USB
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Available Accessories

7801FR	Modular frame, 1RU, 4 slots
7801FC	Modular frame controller for 1RU
7800FR-QT	Modular quiet frame, 3RU, 15 slots, dual PS
7800FC	Modular frame controller for 3RU
UXP-SFP2-1G-T	SFP+, 1000 BASE-T RJ45, 100m
UXP-SFP-2G5-T	SFP+, 2.5G BASE-T RJ45, 50m
UXP-SFP-10G-T	SFP+, 10G BASE-T RJ45, 30m

*4096x2160p @ 60 Hz (4:4:4 color sampling) is the highest resolution supported by the UXP-TRM4K AV gateway and can be achieved only when deployed in a 10GbE network. EvertzAV, the EvertzAV logo, and VistaLINK are either trademarks or registered trademarks of Evertz Microsystems Ltd. HDMI and the HDMI logo are either trademarks or registered trademarks of HDMI Licensing LLC. Other trademarks, registered trademarks, and trade names mentioned in this document may refer to either the entities claiming the marks and names or their products and are hereby acknowledged. © 2021 Evertz Microsystems Ltd.