

UXP-TRS4KQ-2UH

Fanless Standalone AV Gateway w/ USB Host Port



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

- Two HDMI 2.0a inputs and outputs (software defined)
- Resolution up to 4096x2160p @ 60 Hz, 4:4:4 color sampling*
- Fanless device passively cooled by convection air flow
- USB 2.0 host port for HID and other USB devices
- Auto-discovery and simplified provisioning features
- Ultra low latency transport over 1GbE links
- Third-party control support



Standalone AV Gateway

The UXP-TRS4KQ-2UH standalone gateway accepts up to two HDMI inputs or provides up to two HDMI outputs (software defined), in addition to audio and USB. The UXP-TRS4KQ-2UH is a compact standalone device that dissipates heat by convection air flow with the use of a heatsink, thus the UXP-TRS4KQ-2UH is an ideal gateway for applications where silence is key. In addition to two HDMI inputs or outputs, the UXP-TRS4KQ-2UH offers a USB host port, which can be sent at full bandwidth over your 1GbE network.

Live AV Over IP Transport

Using 1Gbps Ethernet the UXP-TRS4KQ-2UH encapsulates video, audio, USB 2.0 (with the -2U version), and Ethernet control data at the same time. The UXP-TRS4KQ-2UH supports up to two HDMI 2.0a inputs or outputs (software defined and dependent on network bandwidth) and transports them with ultra low latency over its 1GbE links.

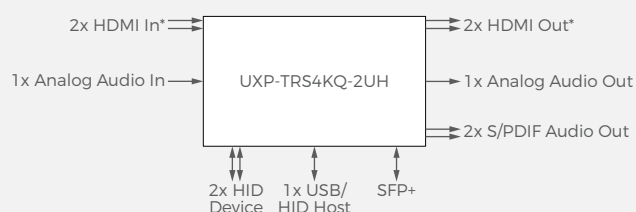
Fully Integrated with the NUCLEUS Platform

The UXP-TRS4KQ-2UH 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



*Software defined as dual transmit or dual receive.

Front



Rear



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Contents Subject to Change
Rev. 09

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Specifications

Video Inputs	2 HDMI 2.0a (software defined) 1 HDMI 2.0a Auxiliary to HDMI Input 2
Video Outputs	2 HDMI 2.0a (software defined)
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 host port for HID and other USB devices (micro type B)
Ethernet Transport	10/100/1000 BASE-T RJ45 Ethernet Port (IEEE 802.3)
Ethernet Connector	RJ45
Transport Ports	2 SFP+ (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)
Operational Case Temperature Measured at an ambient temperature of 73.4°F (23°C)	Heat sink = 93.2°F (34°C) Highest localized case temperature (measured on rear mounting surface of device) = 127.4°F (53°C)
Relative Humidity	10% to 90% RH (non-condensing)
Dimensions (H x W x D)	2.18in x 9.35in x 6.56in (55.37mm x 237.49mm x 166.62mm)
Weight	44 oz (1247.38 g)

Ordering Information

UXP-TRS4KQ-2UH	Fanless standalone AV gateway; dual HDMI input or output, audio, Ethernet, and HID USB/USB 2.0
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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

*4096x2160p @ 60 Hz (4:4:4 color sampling) is the highest resolution supported by the UXP-TRS4KQ-2UH AV gateways and can be achieved only when deployed in a 10GbE network.
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