

UXP-TXSQ-2

Fanless Standalone Dual-Channel HDMI AV Transmitter



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 inputs (HDMI type A)
- Resolution up to 3840x2160p @ 30 Hz
- RS-232/RS-422 support for serial communication/control
- Fanless device passively cooled by convection air flow
- 802.3at Type 2 PoE+ support
- Ultra low latency transport over 1GE/2.5GE links
- Third-party control support



Standalone AV Transmitter

EvertzAV's UXP-TXSQ-2 AV transmitter is a no-nonsense, cost-effective, dual-channel HDMI video and audio transmit gateway supporting 1G and 2.5G transport rates. The UXP-TXSQ-2 has been designed to take advantage of the fact that more and more entry-level COTS switches support 2.5G, and thus it employs intelligent auto sensing technology that automatically adjusts video quality based on the available transport rate. Moreover, the UXP-TXSQ-2 is a compact and quiet standalone device that dissipates heat by convection air flow with the use of a heatsink and, with proper mounting¹, can be installed in various in room locations, including behind monitors, and under desks, lecterns, and floor boxes. Reduce decision making at design time by simply adding up and ordering the number of transmitting end points you need in your system.

Live AV Over IP Transport

The UXP-TXSQ-2 has two HDMI input ports supporting resolutions of up to 3840x2160p @ 30 Hz and transmits AV content with ultra low latency over its 1GE/2.5GE link². Additional functionality includes support for

802.3at Type 2 PoE+ as well as RS-232/RS-422 for serial communication and control. Pair the UXP-TXSQ-2 with EvertzAV's UXP-RXS HDMI AV receivers for an unbeatable low-cost AV transport solution.

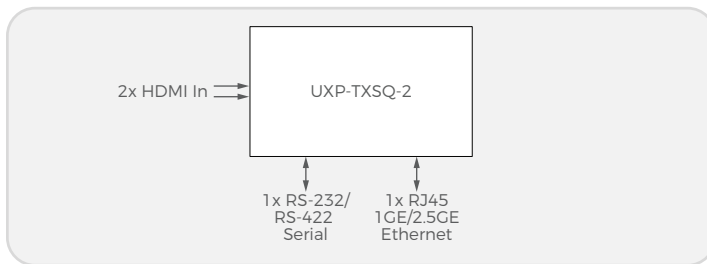
Fully Integrated with the NUCLEUS Platform

The UXP-TXSQ-2 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.

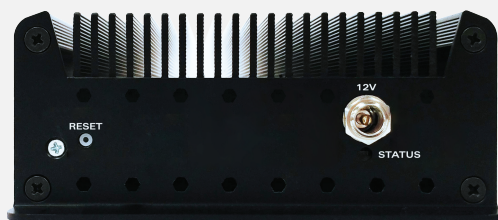
Inputs and Outputs



Front



Rear



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Contents Subject to Change
Rev. 01

North America/International AV Sales

avsales@evertz.com

+1 905-335-3700

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Specifications

Video Inputs	2 HDMI (type A)
Supported Resolutions	Up to 3840x2160p @ 30 Hz
Ethernet Transport	10/100/1000BASE-T RJ45 Ethernet Port (IEEE 802.3)
Ethernet Connector	RJ45
Transport Ports	1 2.5GE RJ45 port
RS-232/RS-422	M5 DIN connector (Optional M5 to DB9 converter cable available – see Available Accessories)
HDMI Audio	Yes
In-Band Control	Yes
Control System	NUCLEUS Session Manager
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 optional power adapter – see Available Accessories)
Power Supply	802.3at Type 2 PoE+ (provides power to device over Cat6a/Cat7 cable) (Optional power supply available – see Available Accessories)
Power Consumption	23W
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)	1.75in x 4.13in x 7.43in (44.45mm x 104.90mm x 188mm)
Weight	29.95 oz (849g)

Ordering Information

UXP-TXSQ-2	Fanless standalone 1GE/2.5GE transmitter: dual HDMI input with PoE+ and RS-232/RS-422 support
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Available Accessories

UXP-CBL-DB9MDTE-4P-15	4 pin to DB9 (male) serial cable, 1.5m length
UXP-CBL-DB9-4P-15	4 pin to DB9 (female) serial cable, 1.5m length
UXP-PS-12V5A	Power supply (100-240V/47-63Hz AC input; 12VDC/5A output)

¹Please refer to the "UXP-TRXSQ-USB2/TXSQ/TXSQ-2/TXSQ-2-USB2-P/RXSQ Installation Notes" for instructions on how to properly mount your UXP AV gateway.

²Dual 3840x2160p @ 30 Hz video transport is only supported by the UXP-TXSQ-2 when deployed in a 2.5GE network.

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