

MMA25G-TRS4K-2x2A

Standalone IPMX-Ready 4K/60 HDMI/DisplayPort Transceiver w/ Dante™ Audio



SOFTWARE-DEFINED | NETWORK-BASED | AV DISTRIBUTION

Evertz' MMA-25G is a network-based AV distribution solution constructed using Evertz' award winning SDVN (Software Defined Video Network) architecture. MMA-25G utilizes a highly reliable 25GE infrastructure for routing video and audio and offers unprecedented scalability and reliability.



Key Features

- Two HDMI 2.0a/mDP inputs and two HDMI 2.0a/mDP outputs
- Resolution up to 4096x2160p @ 60 Hz, 4:4:4 color sampling
- 32x32 Dante Audio module
- Ultra low latency transport over 25GE links
- Customizable EDID tables
- Full integration with MAGNUM-AV management system
- Remote monitoring capabilities using SNMP protocol



Standalone 4K HDMI/mDP Transceiver

The MMA25G-TRS4K-2x2A standalone 4K/60 HDMI transceiver accepts up to two HDMI/mDP inputs and provides up to two HDMI/mDP outputs, in addition to audio, and USB HID. The MMA25G-TRS4K-2x2A can transmit content from the two local HDMI/mDP inputs with ultra low latency over its 25GbE links. It can also simultaneously receive content from the two network transports or two local HDMI/mDP inputs and send any of those two sources to the two HDMI/mDP outputs. The MMA25G-TRS4K-2x2A is a standalone device which is compact and quiet and can be installed in various in-room locations, including behind monitors, under/inside desks and lecterns, and floor boxes.

Integrated 32x32 Dante Audio Module

In addition to its HDMI/DisplayPort, analog, and S/PDIF audio capabilities, the MMA25G-TRS4K-2x2A supports Dante audio,

facilitating up to 32x32 simultaneous Dante audio streams. This allows for local HDMI-embedded or remote IP-ingested audio streams to be routed as Dante audio or vice versa (i.e. Dante audio streams to be routed to the local HDMI output port or transported via IP to remote destinations).

Remote Monitoring

The MMA25G-TRS4K-2x2A can be remotely monitored via the SNMP protocol using EvertzAV's award winning VistaLINK Pro NMS software suite. VistaLINK allows a single user from a single workstation complete visibility into the operation of the MMA-25G ecosystem. Users can prevent issues from becoming outages quickly and easily using EvertzAV's VistaLINK Pro.

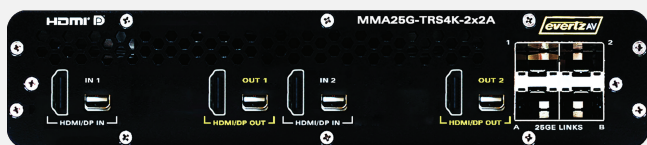
IPMX - Bringing ProAV and Broadcast Closer Together

The MMA25G-TRS4K-2x2A is a gateway that conforms to the emerging AV-over-IP open standard IPMX and, as such, complies with the suite of standards detailed in SMPTE ST 2110 and supports features such as JPEG-XS, AES67, and PTP. EvertzAV's line of IPMX-ready gateways provide synchronized, real-time broadcast-quality AV over IP while ensuring the ProAV interoperability requirements of today **and** tomorrow are met.

Fully Integrated with MAGNUM-AV Controller

The MMA25G-TRS4K-2x2A is a managed element of the MMA-25G network which is controlled by MAGNUM-AV. MAGNUM-AV simplifies management and control over the system and allows for simple user control using EvertzAV's virtual control panels and touch friendly graphical user interfaces (VUE) or via third-party control systems.

Front



Rear



av.evertz.com

Contents Subject to Change
Rev. 01

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Specifications

Video Inputs	2 HDMI 2.0a or 2 Mini DisplayPort
Video Outputs	2 HDMI 2.0a or 2 Mini DisplayPort
Supported Resolutions	Up to 4096x2160p @ 60 Hz (4:4:4 color sampling)
Dante Audio	Supports 32x32 simultaneous Dante audio streams
HDMI Audio	LPCM (up to 8 channels) Passthrough and 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
Other Audio Inputs	1 stereo balanced analog (terminal header), high impedance line level (+4dBu)
Audio Outputs	1 stereo balanced analog (terminal header), 600 Ω impedance line level (+4dBu) 2 S/PDIF
USB	3 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 (see available accessories)
25G Redundancy	Yes
Output Scaling	Yes
SNMP Support	Yes
In-Band Control	Yes
Control System	MAGNUM-AV
Web-Based Configuration	Yes
Security Compliance	Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG) findings
DC Input Voltage	12VDC via supplied power adapter
Power Supply	100-240V / 47-63Hz AC input; 12VDC / 5A output
Power Consumption	TBD
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	TBD

Ordering Information

MMA25G-TRS4K-2x2A	Standalone 4K/60 dual HDMI gateway with IPMX support: 2 HDMI/mDP inputs, 2 HDMI/mDP outputs, 3 HID device ports, 1 HID host port, 2 analog balanced audio inputs, 2 analog balanced audio outputs, 2 S/PDIF audio outputs, Dante audio inputs/outputs, dual redundant 12V inputs, 2 25G SFP links, and Ethernet Control port.
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Available Accessories

MMA25G-SFPT-TR13	25Gbps Single-mode fiber SFP+, 1310nm (10Km), LC/LC UPC. TAA compliant. Recommended fiber type: 9/125 μ m.
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