

MMA25G-TRS4K-2x2U

Standalone IPMX-Ready 4K/60 HDMI/DisplayPort Transceiver w/ USB 2.0



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
- Four proprietary EvertzAV USB 2.0 ports
- Ultra low latency transport over 25GE links
- Customizable EDID tables
- Full integration with MAGNUM-AV management system
- Remote monitoring capabilities using SNMP protocol



The MMA25G-TRS4K-2x2U also offers USB 2.0 (Host or Device), which can be sent at full bandwidth over the 25GE interface.

Remote Monitoring

The MMA25G-TRS4K-2x2U 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-2x2U 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-2x2U 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.

Standalone 4K HDMI/mDP Transceiver

The MMA25G-TRS4K-2x2U 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-2x2U 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-2x2U 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.

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)
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) 4 proprietary EvertzAV USB 2.0 ports (type A)
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-2x2U	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, 4 proprietary EvertzAV USB 2.0 ports, 2 analog balanced audio inputs, 2 analog balanced audio outputs, 2 S/PDIF audio 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: 9/125um.
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