

MMA25G-TRS4K

Standalone IPMX-Ready 4K/60 HDMI/DisplayPort Transceiver



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

- One HDMI 2.0a/mDP input and one HDMI 2.0a/mDP output
- Resolution up to 4096x2160p @ 60 Hz, 4:4:4 color sampling
- Ultra low latency transport over 25GE links
- Customizable EDID tables
- Full integration with MAGNUM-AV management system
- Remote monitoring capabilities using SNMP protocol



Remote Monitoring

The MMA25G-TRS4K 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 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 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 standalone 4K/60 HDMI transceiver accepts one HDMI/mDP input and provides one HDMI/mDP output, in addition to audio, and USB HID. The MMA25G-TRS4K can transmit content from the local HDMI/mDP input with ultra low latency over its 25GbE links. It can also simultaneously receive content from the two network transports or local HDMI/mDP input and send any one of those sources to the HDMI/mDP output. The MMA25G-TRS4K 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



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Contents Subject to Change
Rev. 01

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Specifications

Video Inputs	1 HDMI 2.0a or 1 Mini DisplayPort
Video Outputs	1 HDMI 2.0a or 1 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)
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	Standalone 4K/60 single HDMI gateway with IPMX support: 1 HDMI/mdp inputs, 1 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, 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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