

MMA10G-TRS4K-2-HDMI

Standalone 4K/60 Dual HDMI Gateway



CONNECT. COLLABORATE. SHARE RESOURCES. MANAGE.

Evertz' MMA-10G is a network-based AV distribution solution constructed using Evertz' award winning SDVN (Software Defined Video Network) architecture. MMA-10G utilizes a highly reliable 10GE infrastructure for routing video and audio and offers unprecedented scalability and reliability.



Key Features

- Two HDMI 2.0a inputs and outputs (software defined)
- Resolution up to 4096x2160p @ 60 Hz, 4:4:4 color sampling
- Ultra low latency transport over 10GE links
- 5 USB 2.0 ports available on MMA10G-TRS4K-2U-HDMI
- Customizable EDID tables
- Full integration with MAGNUM-AV management system
- Remote monitoring capabilities using SNMP protocol
- Web-based configuration



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.

Live AV Transport

Using 10Gbps Ethernet the MMA10G-TRS4K-2-HDMI encapsulates video, audio, USB 2.0 (with the -2U version), and Ethernet control data at the same time. The MMA10G-TRS4K-2-HDMI supports up to two HDMI 2.0a 4K (up to 4096x2160p @ 60 Hz, 4:4:4 color sampling) inputs or outputs (software defined) and transports them with ultra low latency over its 10GE links.

Advanced HDMI 2.0a Interfaces

The MMA10G-TRS4K-2-HDMI supports two HDMI 2.0a inputs and two HDMI 2.0a outputs. Customizable EDID tables and scaling on the output paths insure the smoothest handoff between sources and sinks.

Remote Monitoring

The MMA10G-TRS4K-2-HDMI can be remotely monitored via the SNMP protocol using Evertz' award winning VistaLINK Pro NMS software suite. VistaLINK allows a single user from a single workstation complete visibility into the operation of the MMA-10G ecosystem. Users can prevent issues from becoming outages quickly and easily using Evertz' VistaLINK Pro.

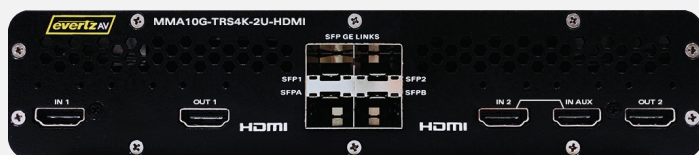
Standalone 4K Gateway

The MMA10G-TRS4K-2-HDMI standalone 10GE gateway accepts up to two HDMI inputs or provides up to two HDMI outputs (software defined), in addition to audio and USB. The MMA10G-TRS4K-2-HDMI 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. In addition to two HDMI inputs or outputs, the -2U version of the product offers USB 2.0, which can be sent at full bandwidth over the 10GE interface.

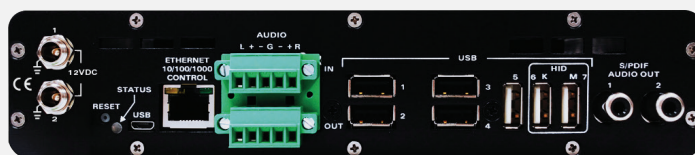
Fully integrated with Evertz' MAGNUM-AV Controller

MMA10G-TRS4K-2-HDMI is a managed element of the MMA-10G network which is controlled by MAGNUM-AV. MAGNUM-AV

Front



Rear



MMA10G-TRS4K-2U-HDMI Shown



av.evertz.com

Contents Subject to Change
Rev. 13

North America/International AV Sales

avsales@evertz.com

+1 905-335-3700

MMA10G-TRS4K-2-HDMI

Standalone 4K/60 Dual HDMI Gateway



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Specifications

| | MMA10G-TRS4K-2-HDMI | MMA10G-TRS4K-2U-HDMI |
|----------------------------|--|--|
| Video Inputs | 2 HDMI 2.0a (software defined) 1 HDMI 2.0a Auxiliary to HDMI Input 2 | 2 HDMI 2.0a (software defined) 1 HDMI 2.0a Auxiliary to HDMI Input 2 |
| Video Outputs | 2 HDMI 2.0a (software defined) | 2 HDMI 2.0a (software defined) |
| Supported Resolutions | Up to 4096x2160p @ 60 Hz (4:4:4 color sampling) | Up to 4096x2160p @ 60 Hz (4:4:4 color sampling) |
| Audio Inputs | 1 stereo balanced analog (terminal header) | 1 stereo balanced analog (terminal header) |
| Audio Input Impedance | High impedance | High impedance |
| Audio Input Level | Line level (+4dBu) | Line level (+4dBu) |
| Audio Outputs | 1 stereo balanced analog (terminal header) 2 S/PDIF | 1 stereo balanced analog (terminal header) 2 S/PDIF |
| Audio Output Impedance | 600 Ω | 600 Ω |
| Audio Output Level | Line level (+4dBu) | Line level (+4dBu) |
| USB | 2 HID device ports (type A) 1 HID host port (micro type B) | 2 HID device ports (type A) 1 HID host port (micro type B) 5 USB 2.0 ports (type A) |
| Control Port (Out-of-Band) | 10/100/1000 BASE -T RJ45 Ethernet Port (IEEE 802.3) | 10/100/1000 BASE -T RJ45 Ethernet Port (IEEE 802.3) |
| Transport Port | 2x SFP+ cages (see available accessories) | 2x SFP+ cages (see available accessories) |
| 10G Redundancy | Yes | Yes |
| Output Scaling | Yes | 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 | 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 | Yes |
| In-Band Control | Yes | Yes |
| OSD Support | No | No |
| Control System | MAGNUM-AV | MAGNUM-AV |
| Web-Based Configuration | Yes | Yes |
| Security Compliance | Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG) findings | Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG) findings |
| DC Input Voltage | 12VDC via supplied power adapter | 12VDC via supplied power adapter |
| Power Supply | 100-240V / 47-63Hz AC input; 12VDC / 5A output | 100-240V / 47-63Hz AC input; 12VDC / 5A output |
| Power Consumption | 30W | 45W |
| Operating Temperature | 32° to 104° F (0° to 40° C) | 32° to 104° F (0° to 40° C) |
| Relative Humidity | 10% to 90% RH (non-condensing) | 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) | 1.81in x 8.25in x 6.56in (45.97mm x 209.55mm x 166.62mm) |
| Weight | 32 oz (907.19 g) | 32 oz (907.19 g) |

Ordering Information

| | |
|----------------------|--|
| MMA10G-TRS4K-2-HDMI | Standalone 4K/60 dual HDMI gateway: dual HDMI input or output, audio, Ethernet, and HID USB |
| MMA10G-TRS4K-2U-HDMI | Standalone 4K/60 dual HDMI gateway: dual HDMI input or output, audio, Ethernet, HID USB, and USB 2.0 |

Available Accessories

| | |
|--------------------|---|
| MMA10G-SFP-TR85 | SFP+, 10GE, 850nm, MMF, 50/125, LC/LC |
| MMA10G-SFP2-TR13 | SFP+, 10GE, 1310nm, SMF, 9/125, LC/LC, 10Km |
| MMA10G-SFP-SFP-MM3 | 3m SFP+ to SFP+ fiber patch cable, 10GE, AOC, 850nm |
| 3405PS-6HO | Six output primary and redundant auto-ranging power supply, 100V – 240V AC at 50/60Hz |

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