

MMA10G-TRS4KQ-HDMI

Fanless Standalone 4K/60 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

- One HDMI 2.0a input and one HDMI 2.0a output
- Resolution up to 4096x2160p @ 60 Hz, 4:4:4 color sampling
- Fanless device passively cooled by convection air flow
- Ultra low latency transport over 10GE links
- Customizable EDID tables
- Full integration with MAGNUM-AV management system
- Remote monitoring capabilities using SNMP protocol



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-TRS4KQ-HDMI encapsulates video, audio, HID, and Ethernet control data at the same time. The MMA10G-TRS4KQ-HDMI supports an HDMI 2.0a 4K (up to 4096x2160p @ 60 Hz, 4:4:4 color sampling) input and output and transports them with ultra low latency over its 10GE links.

Advanced HDMI 2.0a Interfaces

The MMA10G-TRS4KQ-HDMI supports one HDMI 2.0a input and one HDMI 2.0a output. Customizable EDID tables and scaling on the output paths insure the smoothest handoff between sources and sinks.

Remote Monitoring

The MMA10G-TRS4KQ-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-TRS4KQ-HDMI standalone 10GE gateway accepts one HDMI input and one HDMI output. The MMA10G-TRS4KQ-HDMI is a compact standalone device that dissipates heat by convection air flow with the use of a heatsink, thus the MMA10G-TRS4KQ-HDMI is an ideal gateway for applications where silence is key. In addition to one HDMI input and output the MMA10G-TRS4KQ-HDMI also accepts a discrete audio input and output.

Fully integrated with Evertz' MAGNUM-AV Controller

MMA10G-TRS4KQ-HDMI is a managed element of the MMA-10G network which is controlled by MAGNUM-AV. MAGNUM-AV

Front



Rear



av.evertz.com

Contents Subject to Change
Rev. 05

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Specifications

| | |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Inputs | 1 HDMI 2.0a |
| Video Outputs | 1 HDMI 2.0a |
| Supported Resolutions | Up to 4096x2160p @ 60 Hz (4:4:4 color sampling) |
| Audio Inputs | 1 stereo balanced analog (terminal header) |
| Audio Input Impedance | High impedance |
| Audio Input Level | Line level (+4dBu) |
| Audio Outputs | 1 stereo balanced analog (terminal header) 2 S/PDIF |
| Audio Output Impedance | 600 Ω |
| Audio Output Level | Line level (+4dBu) |
| USB | 2 HID device ports (type A) 1 HID host port (micro type B) |
| Ethernet Transport | 10/100/1000 BASE-T RJ45 Ethernet Port (IEEE 802.3) |
| Ethernet Connector | RJ45 |
| 10GE Outputs | 2 SFP+ (see available accessories) |
| 10G Redundancy | Yes |
| Output Scaling | 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 |
| 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 | 30W |
| Operating Temperature | 32° to 104°F (0° to 40°C) |
| Operational Case Temperature | Heat sink = 93.2°F (34°C) |
| Measured at an ambient temperature of 73.4°F (23°C) | Highest localized case temperature (measured on rear mounting surface of device) = 127.4°F (53°C) |
| Relative Humidity | 10% to 90% RH (non-condensing) |
| Dimensions (H x W x D) | 2.18in x 9.35in x 6.56in (55.37mm x 237.49mm x 166.62mm) |
| Weight | 44 oz (1247.38 g) |

Ordering Information

| | |
|--------------------|-------------------------------------------------------------------------------------------|
| MMA10G-TRS4KQ-HDMI | Fanless standalone 4K/60 HDMI gateway; HDMI input or output, audio, HID USB, and Ethernet |
|--------------------|-------------------------------------------------------------------------------------------|

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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