

MMA10G-TRM4K

Modular 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
- Ultra low latency transport over 10GE links
- Customizable EDID tables
- Full integration with MAGNUM-AV management system
- Remote monitoring capabilities using SNMP protocol
- Web-based configuration



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-TRM4K encapsulates video, audio, control data at the same time. The MMA10G-TRM4K 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-TRM4K 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-TRM4K 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.

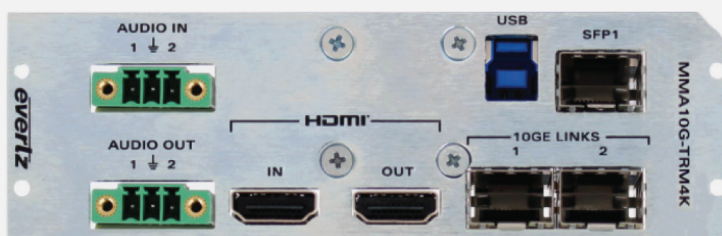
Modular 10GE Gateway

The MMA10G-TRM4K modular 10GE gateway accepts a single HDMI input and HDMI output, in addition to audio and HID. The MMA10G-TRM4K is a modular device and is installed in an Evertz rack mount modular frame. This approach offers flexibility and density as well as a secure and reliable solution for mounting next to servers. In addition to an HDMI input and output the MMA10G-TRM4K can send and receive embedded audio, discrete audio, and HID USB over the 10GE infrastructure.

Fully integrated with Evertz' MAGNUM-AV Controller

MMA10G-TRM4K is a managed element of the MMA-10G network which is controlled by MAGNUM-AV. MAGNUM-AV simplifies

MMA10G-TRM4K



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Contents Subject to Change
Rev. 10

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Modular 4K/60 HDMI Gateway



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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 unbalanced analog (terminal header)
Audio Input Impedance	High impedance
Audio Input Level	Line level (+4dBu)
Audio Outputs	1 stereo unbalanced analog (terminal header)
Audio Output Impedance	600 Ω
Audio Output Level	Line level (+4dBu)
USB	1 HID host port (USB type B)
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
Modular Design	7800/7801 device, installed in 7800/7801FR
Slots	2
DC Input Voltage	12VDC provided by frame
Power Consumption	25W
Operating Temperature	32° to 104° F (0° to 40° C)
Relative Humidity	10% to 90% RH (non-condensing)

Ordering Information

MMA10G-TRM4K	Modular 4K/60 HDMI gateway: HDMI input or output, audio, and HID USB
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Available Accessories

7801FR	Modular frame, 1RU, 4 slots
7801FC	Modular frame controller for 1RU
7800FR-QT	Modular quiet frame, 3RU, 15 slots, dual PS
7800FC	Modular frame controller for 3RU
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

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