MMA10G-TRS4K-2UHOSD

Standalone 4K/60 Dual HDMI Gateway w/ USB Host Port and OSD

MMA10G
NETWORK BASED AV DISTRIBUTION

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
- USB 2.0 host port for HID and other USB devices
- OSD (On-Screen Display) routing functionality
- Customizable EDID tables
- Full integration with MAGNUM-AV management system
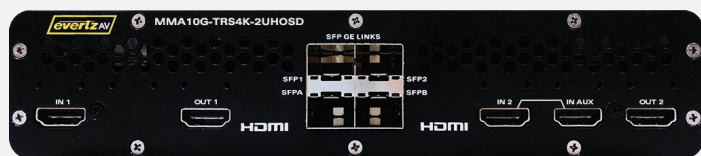- Remote monitoring capabilities using SNMP protocol

Standalone 4K Gateway

The MMA10G-TRS4K-2UHOSD standalone 10GE gateway accepts up to two HDMI inputs or provides up to two HDMI outputs (software defined), in addition to audio and USB HID. The MMA10G-TRS4K-2UHOSD 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. The MMA10G-TRS4K-2UHOSD supports OSD routing functionality and also offers a USB host port, which can be sent at full bandwidth over the 10GE interface.
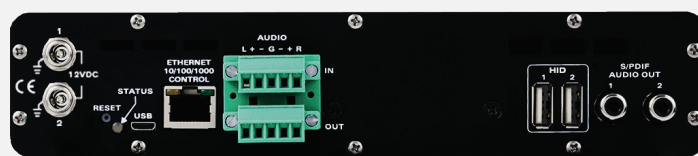
Fully integrated with Evertz' MAGNUM-AV Controller

The MMA10G-TRS4K-2UHOSD is a managed element of the MMA-10G 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.

Live AV Transport

Using 10Gbps Ethernet the MMA10G-TRS4K-2UHOSD encapsulates video, audio, USB 2.0, and Ethernet control data at the same time. The MMA10G-TRS4K-2UHOSD 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-2UHOSD 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-2UHOSD 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.

Front | Rear

Specifications

Video Inputs	2 HDMI 2.0a (software defined) 1 HDMI 2.0a Auxiliary to HDMI Input 2
Video Outputs	2 HDMI 2.0a (software defined)
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 host port for HID and other USB devices (micro type B)
Control Port (Out-of-Band)	10/100/1000 BASE -T RJ45 Ethernet Port (IEEE 802.3)
Transport Port	2 SFP+ cages (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
OSD Support	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)
Relative Humidity	10% to 90% RH (non-condensing)
Dimensions (H x W x D)	1.81in x 8.25in x 6.56in (45.97mm x209.55mm x 166.62mm)
Weight	32 oz (907.19 g)

Ordering Information

MMA10G-TRS4K-2UHOSD	Standalone 4K/60 dual HDMI gateway: dual HDMI input or output, audio, Ethernet, HID USB, USB host port, and OSD functionality

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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Contents Subject to Change
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