

MMA10G-TRS4K-4x2

Standalone 4K/60 Dual HDMI Transceiver



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

- Four HDMI 2.0a inputs and two HDMI 2.0a outputs
- Resolution up to 4096x2160p @ 60 Hz, 4:4:4 color sampling
- Ultra low latency transport over 10GE links
- Five USB 2.0 ports available on MMA10G-TRS4K-4x2U
- Customizable EDID tables
- Full integration with MAGNUM-AV management system
- Remote monitoring capabilities using SNMP protocol
- Web-based configuration



MMA10G-TRS4K-4x2 can transmit content from any two of the four local HDMI ins with ultra low latency over its 10GbE links. It can also simultaneously receive content from the two network transports or four local HDMI ins and output any of those two sources to the two HDMI outs.

Versatile Switching Capabilities and More...

The abundance of AV sources that it can handle (i.e. from the two network transports and four local HDMI inputs) along with its two HDMI outputs also makes the MMA10G-TRS4K-4x2 an extremely versatile and compact in-room AV switcher. Customizable EDID tables and scaling on the output paths insure the smoothest handoff between sources and sinks.

Fully Integrated with Evertz' MAGNUM-AV Controller

MMA10G-TRS4K-4x2 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.

Remote Monitoring

The MMA10G-TRS4K-4x2 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 Dual HDMI Transceiver

The MMA10G-TRS4K-4x2 standalone 4K/60 dual HDMI transceiver accepts up to four HDMI inputs and provides up to two HDMI outputs, in addition to audio and USB HID. The MMA10G-TRS4K-4x2 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-4x2U version of the product offers USB 2.0 (Host or Device), which can be sent at full bandwidth over the 10GE interface.

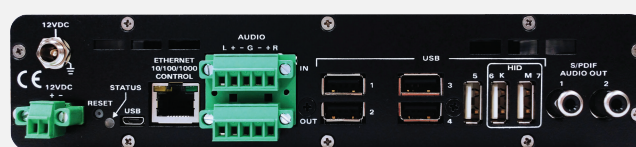
Live AV Transport

Using 10Gbps Ethernet the MMA10G-TRS4K-4x2 encapsulates video, audio, USB HID, USB 2.0 Host or Device (with the -4x2U version), and Ethernet control data at the same time. As a dual transceiver, the

Front



Rear



MMA10G-TRS4K-4x2U Shown



av.evertz.com

Contents Subject to Change
Rev. 02

North America/International AV Sales

avsales@evertz.com

+1 905-335-3700

MMA10G-TRS4K-4x2

Standalone 4K/60 Dual HDMI Transceiver



CONNECT. COLLABORATE. SHARE RESOURCES. MANAGE.

Specifications

	MMA10G-TRS4K-4x2	MMA10G-TRS4K-4x2U
Video Inputs	4 HDMI 2.0a	4 HDMI 2.0a
Video Outputs	2 HDMI 2.0a	2 HDMI 2.0a
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)
Ethernet Transport	10/100/1000 BASE -T RJ45 Ethernet Port (IEEE 802.3)	10/100/1000 BASE -T RJ45 Ethernet Port (IEEE 802.3)
Ethernet Connector	RJ45	RJ45
10GE Outputs	2 SFP+ (see available accessories)	2 SFP+ (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	Yes
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	1 10-220V / 50-60Hz AC input; 12VDC / 1 1.5A output	1 10-220V / 50-60Hz AC input; 12VDC / 1 1.5A output
Power Consumption	80W	80W
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	42.26oz (1 198 g)	42.61 oz (1208 g)

Ordering Information

MMA10G-TRS4K-4x2	Standalone 4K/60 dual HDMI transceiver: quad HDMI input and dual HDMI output, audio, Ethernet, and HID USB
MMA10G-TRS4K-4x2U	Standalone 4K/60 dual HDMI transceiver: quad HDMI input and dual HDMI output, audio, Ethernet, HID USB, and USB 2.0 Host and Device

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

EvertzAV, the EvertzAV logo, and VistaLINK are either trademarks or registered trademarks of Evertz Microsystems Ltd. HDMI and the HDMI logo are either trademarks or registered trademarks of HDMI Licensing LLC. The USB logo is a trademark of the Universal Serial Bus Implementers Forum, Inc. Other trademarks, registered trademarks, and trade names mentioned in this document may refer to either the entities claiming the marks and names or their products and are hereby acknowledged. © 2022 Evertz Microsystems Ltd.



av.evertz.com

Contents Subject to Change
Rev. 02

North America/International AV Sales

avsales@evertz.com

+1 905-335-3700