

MMA10G-TRXS-USB2

Standalone Transceiver Gateway w/ USB 2.0



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 input and one HDMI output (HDMI Type A)
- SDI input/output, analog audio input and output, two USB 2.0 ports, two USB HID ports, and one serial port
- Resolution up to 3840x2160p @ 30 Hz
- Fanless device passively cooled by convection air flow
- Customizable EDID tables
- Dual receive mode allowing for PIP functionality
- Ultra low latency transport over 10GE links
- Full integration with MAGNUM-AV management system
- Web-based configuration



for simple user control using EvertzAV's virtual control panels and touch friendly graphical user interfaces (VUE) or via third-party control systems.

Reliable AV Transport

Using 10Gbps Ethernet the MMA10G-TRXS-USB2 both encapsulates and de-encapsulates video, audio, serial, USB HID, and USB 2.0 at the same time. The MMA10G-TRXS-USB2 has two HDMI ports, a receive and transmit, and supports resolutions of up to 3840x2160p @ 30 Hz. The MMA10G-TRXS-USB2 supports both embedded audio on HDMI as well as a discrete audio input. A USB connection is provided to supply HID device connectivity over the MMA-10G network. No compression is used, therefore the video and audio remain at their highest quality with no latency upon delivery.

Standalone 10GE Transceiver

The MMA10G-TRXS-USB2 standalone 10GE transceiver gateway is a single device that can either be used as a receiver or a transmitter or both at the same time. Due to the bi-directional nature of 10GE the MMA10G-TRXS-USB2 can be used to both send and receive HDMI, SDI, audio, USB HID, and USB 2.0 data. Additionally, an RS-232/RS-422 port is available for serial communication, transport, and control. Reduce decision making at design time by simply adding up the number of devices that need to either send or receive as the MMA10G-TRXS-USB2 can be used for any connection point.

Fully Integrated with Evertz' MAGNUM-AV Controller

The MMA10G-TRXS-USB2 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

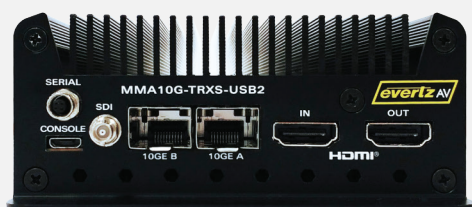
EDID and Scaling

The MMA10G-TRXS-USB2 utilizes high quality scaling engines that allow it to process and scale video to match any input or output resolution. The scaling engines also allow for video cropping when using the MMA10G-TRXS-USB2 for wall applications. Through its support for EDID, the MMA10G-TRXS-USB2 will display the content correctly by setting and reading EDID tables to ensure the smoothest handoff between devices.

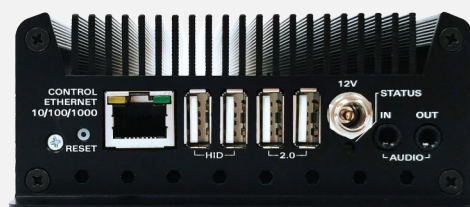
Remote Monitoring

The MMA10G-TRXS-USB2 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



av.evertz.com

Contents Subject to Change
Rev. 02

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Specifications

Video Inputs	1 HDMI (type A) 1 SDI (DIN connector – software defined)
Video Outputs	1 HDMI (type A) 1 SDI (DIN connector – software defined)
Supported Resolutions	Up to 3840x2160p @ 30 Hz
Audio Inputs	1 stereo unbalanced analog (3.5mm)
Audio Input Impedance	25K Ω
Audio Input Level	Line level
Audio Outputs	1 stereo unbalanced analog (3.5mm)
Audio Output Impedance	4 to 8 Ω
Audio Output Level	Line level
Ethernet Transport	10/100/1000Base-T RJ45 Ethernet Port (IEEE 802.3)
Ethernet Connector	RJ45
USB	2 HID device ports (type A) 1 HID host port (micro type B) 2 USB 2.0 ports (type A) (can be software defined as host or client)
10GE Ports	2 SFP+ (see available accessories)
RS-232/RS-422	M5 DIN connector (optional M5 to DB9 converter cable available – see Available Accessories)
Output Scaling	Yes
Picture-in-Picture (PiP) Support	Yes
HDMI Audio	Yes
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	25W (USB unmounted)
Operating Temperature	32° to 104° F (0° to 40° C)
Relative Humidity	10% to 90% RH (non-condensing)
Dimensions (H x W x D)	1.75in x 4.13in x 7.43in (44.45mm x 104.90mm x 188mm)
Weight	31.04 oz (880 g)

Ordering Information

MMA10G-TRXS-USB2	Fanless standalone 10GE transceiver: single HDMI input, single HDMI output, DIN connector for SDI input and output, analog audio, USB 2.0, USB HID, and RS-232/RS-422
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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
MMA10G-CBL-DB9-4P-15	M5 to DB9 serial converter cable
AV-FAN-GW	Fan kit (5VDC / 0.15A 10 CFM fan with plastic fan guard)

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