

MMA10G-TRXS-UCPT

Standalone Transceiver Gateway w/ USB Capture



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 (HDMI type A) and one USB AV output (USB-C)
- SDI input/output, analog audio input and output, two USB 2.0 ports, two USB HID ports, and one serial port
- Input resolution support up to 3840x2160p @ 30 Hz
- USB capture support up to 1920x1080p @ 60 Hz
- Customizable EDID tables
- Standalone device with integrated fan
- Ultra low latency transport over 10GE links
- Full integration with MAGNUM-AV management system
- Web-based configuration



Integrated USB Capture Functionality

In addition to its AV transport capabilities, the MMA10G-TRXS-UCPT presents itself to a host Operating System (OS) as a video and audio USB capture device. Whether the source is local (via the HDMI and SDI input port) or remote (via IP transport), the MMA10G-TRXS-UCPT will capture high-quality AV signals and output them via its USB AV Out port at up to 1920x1080p @ 60 Hz. To an OS (e.g. Microsoft Windows), the MMA10G-TRXS-UCPT looks like an audio-enabled webcam and you can use any of your favorite applications for recording, editing, video conferencing, streaming, and more. Coupled with the dual receive and PiP capability, you are empowered to be your own media director with the ability to select network or local media and video layouts in real-time.

EDID and Scaling

The MMA10G-TRXS-UCPT utilizes high quality scaling engines that allow it to process and scale video to match any input or output resolution. The MMA10G-TRXS-UCPT will display the content correctly by setting EDID tables and scaling to output the USB capture to ensure the smoothest handoff between devices.

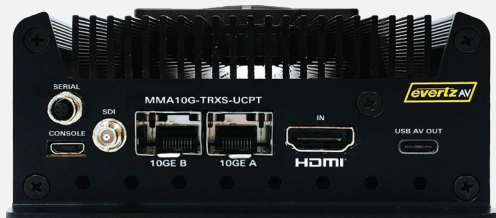
Fully Integrated with Evertz' MAGNUM-AV Controller

The MMA10G-TRXS-UCPT 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.

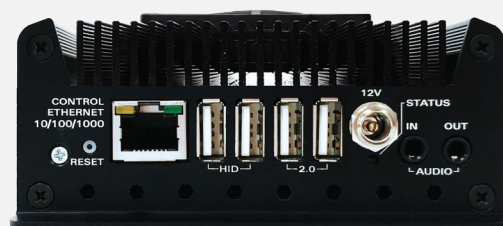
Standalone 10GE Transceiver

The MMA10G-TRXS-UCPT standalone 10GE transceiver gateway is a single device that can either be used as a receiver, a transmitter, or both at the same time. Due to the bi-directional nature of the 10GE links, the MMA10G-TRXS-UCPT can be used to both send and receive HDMI/SDI video and audio, USB HID, and USB 2.0 data. As a receiver, the MMA10G-TRXS-UCPT can receive up to two video streams over IP, have access to both HDMI and SDI sources, and display any two as Main and Picture-in-Picture (PiP) with user configurable layouts. Additionally, an RS-232/RS-422 port is available for serial communication, transport, and control.

Front



Rear



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Contents Subject to Change
Rev. 02

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MMA10G-TRXS-UCPT

Standalone Transceiver Gateway w/ USB Capture



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Specifications

Video Inputs	1 HDMI (type A) 1 SDI (HD-BNC connector – software defined)
Video Outputs	1 USB AV Out (type C) 1 SDI (HD-BNC connector – software defined)
Supported Resolutions	Input – Up to 3840x2160p @ 30 Hz USB Capture – Up to 1920x1080p @ 60 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
Control Port (Out-of-Band)	10/100/1000 BASE-T RJ45 Ethernet Port (IEEE 802.3)
USB/HID	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)
Transport Port	2 SFP+ cages (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	TBD
Ambient 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	TBD

Ordering Information

MMA10G-TRXS-UCPT	Standalone 10GE transceiver and USB capture with fan: single HDMI input, single USB-C AV output, HD-BNC 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
UXP-CBL-DB9MDTE-4P-15	4 pin to DB9 (male) serial cable, 1.5m length
UXP-CBL-DB9-4P-15	4 pin to DB9 (female) serial cable, 1.5m length

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