MMA25G-TRS4K-4x2A

Standalone 4K/60 HDMI/DisplayPort Transceiver w/ Dante™ Audio



SOFTWARE-DEFINED | NETWORK-BASED | AV DISTRIBUTION

Evertz' MMA-25G is a network-based AV distribution solution constructed using Evertz' award winning SDVN (Software Defined Video Network) architecture. MMA-25G utilizes a highly reliable 25GE infrastructure for routing video and audio and offers unprecedented scalability and reliability.



Key Features





- Resolution up to 4096x2160p @ 60 Hz, 4:4:4 color sampling
- 32x32 Dante Audio module
- Ultra low latency transport over 25GE links
- Customizable EDID tables
- Full integration with MACNUM-AV management system
- Remote monitoring capabilities using SNMP protocol

Standalone 4K HDMI/mDP Transceiver

The MMA25G-TRS4K-4x2A standalone 4K/60 HDMI transceiver accepts up to four HDMI/mDP inputs and provides up to two HDMI/mDP outputs, in addition to audio, and USB HID. The MMA25G-TRS4K-4x2A can transmit content from any two of the four local HDMI/mDP inputs with ultra low latency over its 25GbE links. It can also simultaneously receive content from the two network transports or four local HDMI/mDP inputs and send any of those two sources to the two HDMI/mDP outputs. The MMA25G-TRS4K-4x2A 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.

Integrated 32x32 Dante Audio Module

In addition to its HDMI/DisplayPort, analog, and S/PDIF audio

capabilities, the MMA25G-TRS4K-4x2A supports Dante audio facilitating up to 32x32 simultaneous Dante audio streams. This allows for local HDMI-embedded or remote IP-ingested audio streams to be routed as Dante audio or vice versa (i.e. Dante audio streams to be routed to the local HDMI output port or transported via IP to remote destinations).

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 MMA25G-TRS4K-4x2A 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.

Remote Monitoring

The MMA25G-TRS4K-4x2A can be remotely monitored via the SNMP protocol using EvertzAV's award winning VistaLINK Pro NMS software suite. VistaLINK allows a single user from a single workstation complete visibility into the operation of the MMA-25G ecosystem. Users can prevent issues from becoming outages quickly and easily using EvertzAV's VistaLINK Pro.

Fully Integrated with MAGNUM-AV Controller

The MMA25G-TRS4K-4x2A is a managed element of the MMA-25G 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.





Rear

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Standalone 4K/60 HDMI/DisplayPort Transceiver w/ Dante™ Audio



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Specifications

Video Outputs A limil DisplayPort 2 HDMI 2.0a or 2 limil DisplayPort Supported Resolutions Up to 4006x2160p @ 60 Hz (4-4-4 color sampling) Dante Audio LPCM (up to 8 channels) Passthrough and support for Dolby Digital PAC-3. Dolby Digital Plus. Dolby TrueHD. Dolby Atmos. DTS'. DTS-ES. DTS-HD High Res. DTS-HD Master Audio. DTS.X Other Audio Inputs 1 stereo balanced analog (terminal header), high impedance line level (4-4Bu) 2 s/PDIF USB 3 HID device ports (type A) 1 HID host port (micro type B) Control Port (Out-of-Band) 10/100/1000 BASE-T-R34S Ethernet Port (IEEE 802.3) Transport Port 2x SFP- cages (see available accessories) Ves ShMP Support Yes Control System MACHUM-AV Web-Based Configuration Yes Control System MACHUM-AV Web-Based Configuration Ves Security Compliance Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIC) findings DC Input Voltage 12 YoU'C via supplied power adapter Operating Temperature 32' to 104' F (0' to 40' C) Relative Humidity 10% to 90% FM (non-condensing) Dimensions (H x W x D) 1810 x 825in x 6.55in (45.97mm x 209.55mm x 166.62mm)		4 HDMI 2.0a
2 HDMI 2.0a or 2 Mini OisplayPort Supported Resolutions Up to 4:096x2160p @ 60 Hz (4-44 color sampling) Dante Audio Supports 32x32 simultaneous Dante audio streams LPCM Up to 8 channels) Passthrough and support for Dolby Digital (7AC-3, Dolby Digital EX, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS', DTS-ES, DTS-HD High Res, DTS-HD Materian Audio, DTS-X Other Audio Inputs 1 stereo balanced analog (terminal header), 600 Ω impedance line level (+4dBu) 1 stereo balanced analog (terminal header), 600 Ω impedance line level (+4dBu) 2 s/PDIF USB 3 HID device ports (type A) 1 HID host port (micro type B) 1 HID host port (micro type B) 1 HID host port (micro type B) 2 s/PF+ cages (see available accessories) 2 s/SF+ cages (see available accessories) 2 s/SF Redundancy Ves SNMP Support Ves In-Band Control Ves Control System MACNUM-AV Web-Based Configuration Yes Security Compliance Compliant with applicable DoD Network Devices Security Technical Implementation Cuide (STIC) findings Do Input Voltage Power Supply 100-240V (47-63Hz AC input-12VDC / 5A output Power Consumption TBD Operating Temperature 32*to 104*F (0*to 40*C) Relative Humidity 10% to 90% RH (non-condensing) Dimensions (H x W x D) 1881 x 8 25 in x 6.56in (45.97mm x 209.55mm x 166.62mm)	Video Inputs	
Video Outputs or 2 Mini DisplayPort Supported Resolutions Up to 4096x2160p @ 60 Hz (4-44 color sampling) Dante Audio Supports \$2x32 simultaneous Dante audio streams HDMI Audio LPCM (up to 8 channels) Passthrough and 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 Matter, Audio. DTSX. Other Audio Inputs 1 stereo balanced analog (terminal header), 600 Ω (impedance line level (+4dBu) Audio Outputs 3 HID device ports (type A) 1 HID host port (micro type B) 1 HID host port (micro type B) Control Port (Out-of-Band) 1 (1/100/1000 BASE-T P245 Ethernet Port (IEEE 802.3) 25G Redundancy Yes Output Scaling 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 (STIC) findings DC Input Voltage 12VDC via supplied power adapter Power Consumption TBD Operating Temperature 32* to 104* F (0' to 40' C) Relative Humidity 10% t		
2 Min DisplayPort Supported Resolutions Up to 4996x21 fobg @ 60 Hz (4-4-4 color sampling) Dante Audio Supports 32x32 simultaneous Dante audio streams LPCM (up to 8 channels) Passthrough and support for Dolby Digital PAC-3, Dolby Digital EX, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS*, DTS-ES, DTS-HD High Res, DTS-HD Master Audio, DTS-X Other Audio Inputs 1 stereo balanced analog (terminal header), high impedance line level (+4dBu) 2 s/PDIF USB 3 HID device ports (type A) 1 HID host port (micro type B) Control Port (Out-of-Band) 1 10/100/1008 ASE = 7845 Ethernet Port (IEEE 802.3) Transport Port 2x SFP- cages (see available accessories) Ves SNMP Support Yes Output Scalling Yes SNMP Support Yes Control System MACNUM-AV Web-Based Configuration Security Compliance Compliant with applicable DoD Network Devices Security Technical Implementation Cuide (STIC) findings Do Input Voltage Power Supply 100-240V /47-63Hz AC Input 12VDC /5A output Relative Humidity 10% to 90% RH (non-condensing) Dimensions (H x W X D) 1811 x 8.25in x 6.56in (45.97mm x 209.55mm x 166.65mm)	Video Outputs	
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HDMI Audio LPCM (up to 8 channels) Passthrough and 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 Other Audio Inputs 1 stereo balanced analog (terminal header), 600 Ω impedance line level (+4dBu) 2 s/PDIF USB 3 HID device ports (type A) 1 HID host port (micro type B) Control Port (Out-of-Band) 10/100/1000 BASE-T R345 Ethernet Port (IEEE 802.3) Transport Port 2 x SFP+ cages (see available accessories) 2 x SFP+ cages (see available accessories) SNMP Support Yes SNMP Support Yes Control System MACNUM-AV Web-Based Configuration Yes Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIC) findings DC Input Voltage 1 2VDC via supplied power adapter Power Supply 100-240V /47-65Hz AC input: 12VDC / SA output Power Consumption TBD Operating Temperature 32* to 104* F (0* to 40* C) Relative Humidity 181 n x 8.25in x 6.56in (45.97mm x 209.55mm x 166.62mm)	Supported Resolutions	Up to 4096x2160p @ 60 Hz (4:4:4 color sampling)
Passthrough and 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 High Research High Rese	Dante Audio	Supports 32x32 simultaneous Dante audio streams
Audio Outputs 1 stereo balanced analog (terminal header), 600 Ω impedance line level (+4dBu) 2 S/PDIF 3 HID device ports (type A) 1 HID host port (micro type B) Control Port (Out-of-Band) 10/100/1000 BASE -T R345 Ethernet Port (IEEE 802.3) Transport Port 2x SFP+ cages (see available accessories) 25G Redundancy Ves Output Scaling Ves SNMP Support Ves In-Band Control Ves Control System MAGNUM-AV Web-Based Configuration Ves 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 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 x 209.55mm x 166.62mm)	HDMI Audio	Passthrough and support for Dolby Digital®/AC-3, Dolby Digital EX, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS®, DTS-ES, DTS-HD
Audio Outputs 2 S/PDIF 3 HID device ports (type A) 1 HID host port (micro type B) Control Port (Out-of-Band) 10/100/1000 BASE-T R345 Ethernet Port (IEEE 802.3) Transport Port 2x SFP+ cages (see available accessories) 25G Redundancy Ves Output Scaling Yes SNMP Support Ves 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 Operating Temperature 32* to 104* F (0* to 40* C) Relative Humidity 1:81 in x 8.25 in x 6.56 in (45.97mm x 209.55mm x 166.62mm)	Other Audio Inputs	1 stereo balanced analog (terminal header), high impedance line level (+4dBu)
Transport Port (Dut-of-Band) 10/100/1000 BASE-T R245 Ethernet Port (IEEE 802.3) Transport Port 2x SFP+ cages (see available accessories) 25G Redundancy Ves Output Scaling Yes SNMP Support Yes In-Band Control Yes Control System MACNUM-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 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 x 209.55mm x 166.62mm)	Audio Outputs	
Transport Port 2x SFP+ cages (see available accessories) 25G Redundancy Yes Output Scaling 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 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 x 209.55mm x 166.62mm)	USB	
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Output Scaling 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 Power Supply 100-240V / 47-63 Hz AC input: 12VDC / 5A output Power Consumption TBD Operating Temperature 32° to 104° F (0° to 40° C) Relative Humidity Dimensions (H x W x D) 1.81 in x 8.25 in x 6.56 in (45.97 mm x 209.55 mm x 166.62 mm)	Transport Port	2x SFP+ cages (see available accessories)
SNMP Support 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 / 47-63 Hz AC input; 12VDC / 5A output Power Consumption TBD Operating Temperature 32° to 104° F (0° to 40° C) Relative Humidity 10% to 90% RH (non-condensing) Dimensions (H x W x D) 1.81 in x 8.25 in x 6.56 in (45.97 mm x 209.55 mm x 166.62 mm)	25G Redundancy	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 Operating Temperature 32° to 104° F (0° to 40° C) Relative Humidity 10% to 90% RH (non-condensing) Dimensions (H x W x D) 1.81 in x 8.25 in x 6.56 in (45.97 mm x 209.55 mm x 166.62 mm)	Output Scaling	Yes
Control System MAGNUM-AV Web-Based Configuration 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 / 47-63 Hz AC input; 12VDC / 5A output Power Consumption TBD 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 x 209.55mm x 166.62mm)	SNMP Support	Yes
Web-Based ConfigurationYesSecurity ComplianceCompliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG) findingsDC Input Voltage12VDC via supplied power adapterPower Supply100-240V / 47-63 Hz AC input: 12VDC / 5A outputPower ConsumptionTBDOperating Temperature32° to 104° F (0° to 40° C)Relative Humidity10% 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)	In-Band Control	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 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 x 209.55mm x 166.62mm)	Control System	MAGNUM-AV
DC Input Voltage 12VDC via supplied power adapter Power Supply 100-240V / 47-63 Hz AC input; 12VDC / 5A output Power Consumption TBD 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 x 209.55mm x 166.62mm)	Web-Based Configuration	Yes
Power Supply 100-240V / 47-63 Hz AC input; 12VDC / 5A output Power Consumption TBD Operating Temperature 32° to 104° F (0° to 40° C) Relative Humidity 10% to 90% RH (non-condensing) Dimensions (H x W x D) 1.81 in x 8.25 in x 6.56 in (45.97 mm x 209.55 mm x 166.62 mm)	Security Compliance	Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG) findings
Power Consumption TBD 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 x 209.55mm x 166.62mm)	DC Input Voltage	12VDC via supplied power adapter
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 x 209.55mm x 166.62mm)	Power Supply	100-240V / 47-63 Hz AC input; 12VDC / 5A output
Relative Humidity 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)	Power Consumption	TBD
Dimensions (H x W x D) 1.81in x 8.25in x 6.56in (45.97mm x 209.55mm x 166.62mm)	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 x 209.55mm x 166.62mm)
Weight TBD	Weight	TBD

Ordering Information

	Standalone 4K/60 dual HDMI gateway: 4 HDMI/mDP inputs, 2 HDMI/mDP outputs, 3 HID device ports, 1 HID host port, 2 analog balanced
MMA25G-TRS4K-4x2A	audio inputs, 2 analog balanced audio outputs, 2 S/PDIF audio outputs, Dante audio inputs/outputs, dual redundant 12V inputs,
	2 25G SFP links, and Ethernet Control port.

Available Accessories

MMA25G-SFPT-TR13	25Gbps Single-mode fiber SFP+, 1310nm (10Km), LC/LC UPC. TAA compliant. Recommended fiber type: 9/125um.
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