

MMA10G-HUB2

In-Room AV Switch with HDBaseT and Dante Audio



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.



The MMA10G-HUB2 is a 4K in-room audio and video switcher



that leverages Evertz' award winning SDVN (Software Defined Video Networking) technology. Evertz' MMA10G-HUB2 is a powerful HDBaseT-certified, HDMI, and SDI audio/video switch with 10GE network ports enabling local routing to converge within the larger facility. The MMA10G-HUB2 can easily connect a single room to a facility, thereby unleashing a world of possibilities for collaboration, resource sharing, and connectivity.

the MMA10G-HUB2 offers the option to include a Dante audio networking interface.

4K/UHD and EDID

The MMA10G-HUB2 offers up to UHD (3840x2160p @ 30Hz) resolutions on 2 of 4 or 4 of 8 inputs (depending on the model) and on all outputs. The MMA10G-HUB2 supports the latest in EDID technology and provides user friendly setup and management of EDID table formats guaranteeing seamless integration into any project.

Feature-Rich Web Interface and Simple API

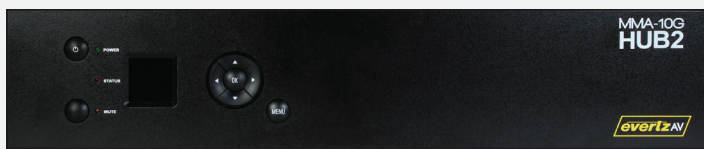
The MMA10G-HUB2's feature-rich web interface allows simple and intuitive configuration and setup of the product. A simple API allows for easy third-party control over the MMA10G-HUB2 for straightforward integration into a room's control system. The MMA10G-HUB2 also uses SNMP to report faults, such as loss of audio or video, and can send those faults to Evertz' VistaLINK Pro NMS software.

HDMI®, HDBaseT™, SDI, and Dante™

The MMA10G-HUB2 offers up to 12 local video inputs and 4 local video outputs. The MMA10G-HUB2 can be ordered with 4/8 HDMI and 2/4 SDI inputs or with a combination of 2/4 HDBaseT, 2/4 HDMI, and 2/4 SDI inputs (see Ordering Information). Discrete analog audio is offered along with the ability to route HDMI audio, and additionally

Model	Video Inputs	Video Outputs	10G Connections	Audio
MMA10G-HUB2-4x2-2	4 HDMI (1.4) and 2 SDI Inputs 1, 3 = 4K	2 HDMI (1.4) All outputs = 4K	2x10GE	4 Analog In, 2 Analog Out
MMA10G-HUB2-4x2A-2	4 HDMI (1.4), and 2 SDI Inputs 1, 3 = 4K	2 HDMI (1.4) All outputs = 4K	2x10GE	4 Analog In, 2 Analog Out 32x32 Dante Audio
MMA10G-HUB2-8x4-4	8 HDMI (1.4) and 4 SDI Inputs 1, 3, 5, 7 = 4K	4 HDMI (1.4) All outputs = 4K	4x10GE	4 Analog In, 2 Analog Out
MMA10G-HUB2-8x4A-4	8 HDMI (1.4) and 4 SDI Inputs 1, 3, 5, 7 = 4K	4 HDMI (1.4) All outputs = 4K	4x10GE	4 Analog In, 2 Analog Out 32x32 Dante Audio
MMA10G-HUB2-22x11-2	2 HDBaseT, 2 HDMI (1.4), and 2 SDI Inputs 1, 3 = 4K	1 HDMI (1.4), 1 HDBaseT All outputs = 4K	2x10GE	4 Analog In, 2 Analog Out
MMA10G-HUB2-22x11A-2	2 HDBaseT, 2 HDMI (1.4), and 2 SDI Inputs 1, 3 = 4K	1 HDBaseT, 1 HDMI (1.4) All outputs = 4K	2x10GE	4 Analog In, 2 Analog Out 32x32 Dante Audio
MMA10G-HUB2-44x22-4	4 HDBaseT, 4 HDMI (1.4), and 4 SDI Inputs 1, 3, 5, 7 = 4K	2 HDBaseT, 2 HDMI (1.4) All outputs = 4K	4x10GE	4 Analog In, 2 Analog Out
MMA10G-HUB2-44x22A-4	4 HDBaseT, 4 HDMI (1.4), and 4 SDI Inputs 1, 3, 5, 7 = 4K	2 HDBaseT, 2 HDMI (1.4) All outputs = 4K	4x10GE	4 Analog In, 2 Analog Out 32x32 Dante Audio

Front



Rear



MMA10G-HUB2-44x22A-4 Shown



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Specifications (HDMI Models)

	MMA10G-HUB2-4x2-2	MMA10G-HUB2-4x2A-2	MMA10G-HUB2-8x4-4	MMA10G-HUB2-8x4A-4
Video Inputs and Supported Resolutions	4 HDMI 1.4 (Inputs 1, 3 up to 3840x2160 @ 30 Hz and inputs 2, 4 up to 1920x1200 @ 60 Hz) 2 SDI (SMPTE 259M/292M/424M-A)	4 HDMI 1.4 (Inputs 1, 3 up to 3840x2160 @ 30 Hz and inputs 2, 4 up to 1920x1200 @ 60 Hz) 2 SDI (SMPTE 259M/292M/424M-A)	8 HDMI 1.4 (Inputs 1, 3, 5, 7 up to 3840x2160 @ 30 Hz and inputs 2, 4, 6, 8 up to 1920x1200 @ 60 Hz) 4 SDI (SMPTE 259M/292M/424M-A)	8 HDMI 1.4 (Inputs 1, 3, 5, 7 up to 3840x2160 @ 30 Hz and inputs 2, 4, 6, 8 up to 1920x1200 @ 60 Hz) 4 SDI (SMPTE 259M/292M/424M-A)
Video Outputs and Supported Resolutions	2 HDMI 1.4 (All outputs up to 3840x2160 @ 30 Hz)	2 HDMI 1.4 (All outputs up to 3840x2160 @ 30 Hz)	4 HDMI 1.4 (All outputs up to 3840x2160 @ 30 Hz)	4 HDMI 1.4 (All outputs up to 3840x2160 @ 30 Hz)
Line Level Audio Inputs	4 stereo balanced (phoenix connector)	4 stereo balanced (phoenix connector)	4 stereo balanced (phoenix connector)	4 stereo balanced (phoenix connector)
Mic Level Audio Inputs	2 stereo balanced (phoenix connector)	2 stereo balanced (phoenix connector)	2 stereo balanced (phoenix connector)	2 stereo balanced (phoenix connector)
Audio Input Impedance	20 kΩ / 48kHz	20 kΩ / 48 kHz	20 kΩ / 48kHz	20 kΩ / 48 kHz
Line Level Audio Outputs	2 stereo balanced (phoenix connector)	2 stereo balanced (phoenix connector)	2 stereo balanced (phoenix connector)	2 stereo balanced (phoenix connector)
Speaker Output	1 stereo (phoenix connector)	1 stereo (phoenix connector)	1 stereo (phoenix connector)	1 stereo (phoenix connector)
Speaker Output Power	2x18W into 4 Ω, 2x12W into 8 Ω	2x18W into 4 Ω, 2x12W into 8 Ω	2x18W into 4 Ω, 2x12W into 8 Ω	2x18W into 4 Ω, 2x12W into 8 Ω
Dante Audio	N/A	32x32 mono channel	N/A	32x32 mono channel
Audio Output Impedance	>5 kΩ / 48 kHz	>5 kΩ / 48 kHz	>5 kΩ / 48 kHz	>5 kΩ / 48 kHz
Ethernet Transport	1x 10/100/1000Base-T RJ45 Ethernet Port (IEEE 802.3) (for Control)	3x 10/100/1000Base-T RJ45 Ethernet Ports (IEEE 802.3) (1x Control and 2x Dante)	1x 10/100/1000Base-T RJ45 Ethernet Port (IEEE 802.3) (for Control)	3x 10/100/1000Base-T RJ45 Ethernet Ports (IEEE 802.3) (1x Control and 2x Dante)
10GE Ports	2 SFP+ (see available accessories)	2 SFP+ (see available accessories)	4 SFP+ (see available accessories)	4 SFP+ (see available accessories)
General Purpose Inputs	2 (100V max)	2 (100V max)	2 (100V max)	2 (100V max)
General Purpose Outputs	2 (100mA max)	2 (100mA max)	2 (100mA max)	2 (100mA max)
Control Protocols	SNMP and Quartz over IP	SNMP and Quartz over IP	SNMP and Quartz over IP	SNMP and Quartz over IP
Control System	MAGNUM-AV	MAGNUM-AV	MAGNUM-AV	MAGNUM-AV
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	Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG) findings	Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG) findings
Other Features	HDMI Audio, Output Scaling, Web-Based Configuration, In-Band Control, Front Panel Control	HDMI Audio, Output Scaling, Web-Based Configuration, In-Band Control, Front Panel Control	HDMI Audio, Output Scaling, Web-Based Configuration, In-Band Control, Front Panel Control	HDMI Audio, Output Scaling, Web-Based Configuration, In-Band Control, Front Panel Control
Voltage	100-240V / 50-60Hz,	100-240V / 50-60Hz	100-240V / 50-60Hz,	100-240V / 50-60Hz
Connector	IEC 60320 C14	IEC 60320 C14	IEC 60320 C14	IEC 60320 C14
Power Consumption	100W	100W	100W	100W
Operating Temperature	32° to 104° F (0° to 40° C)	32° to 104° F (0° to 40° C)	32° to 104° F (0° to 40° C)	32° to 104° F (0° to 40° C)
Relative Humidity	10% - 90% RH (non-condensing)	10% - 90% RH (non-condensing)	10% - 90% RH (non-condensing)	10% - 90% RH (non-condensing)
Dimensions (H x W x D)	3.5in x 17.25in x 9.25in (89mm x 438mm x 235mm) 19in wide rack mountable with rack ears	3.5in x 17.25in x 9.25in (89mm x 438mm x 235mm) 19in wide rack mountable with rack ears	3.5in x 17.25in x 9.25in (89mm x 438mm x 235mm) 19in wide rack mountable with rack ears	3.5in x 17.25in x 9.25in (89mm x 438mm x 235mm) 19in wide rack mountable with rack ears
Weight	160 oz (4535.92 g)	160 oz (4535.92 g)	160 oz (4535.92 g)	160 oz (4535.92 g)

Ordering Information

MMA10G-HUB2-4x2-2	4K/UHD in-room AV switch: 4x HDMI and 2 SDI inputs, 2x HDMI outputs, 2x 10GE ports
MMA10G-HUB2-4x2A-2	4K/UHD in-room AV switch: 4x HDMI and 2 SDI inputs, 2x HDMI outputs, 2x 10GE ports, 32x32 Dante audio
MMA10G-HUB2-8x4-4	4K/UHD in-room AV switch: 8x HDMI and 4 SDI inputs, 4x HDMI outputs, 4x 10GE ports
MMA10G-HUB2-8x4A-4	4K/UHD in-room AV switch: 8x HDMI and 4 SDI inputs, 4x HDMI outputs, 4x 10GE ports, 32x32 Dante audio

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



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Specifications (HDBaseT and HDMI Models)

	MMA10G-HUB2-22x11-2	MMA10G-HUB2-22x11A-2	MMA10G-HUB2-44x22-4	MMA10G-HUB2-44x22A-4
Video Inputs and Supported Resolutions	2 HDBaseT (Inputs 1, 3 up to 3840x2160 @ 30 Hz) 2 HDMI 1.4 (Inputs 2, 4 up to 1920x1200 @ 60 Hz) 2 SDI (SMPTE 259M/292M/424M-A)	2 HDBaseT (Inputs 1, 3 up to 3840x2160 @ 30 Hz) 2 HDMI 1.4 (Inputs 2, 4 up to 1920x1200 @ 60 Hz) 2 SDI (SMPTE 259M/292M/424M-A)	4 HDBaseT (Inputs 1, 3, 5, 7 up to 3840x2160 @ 30 Hz) 4 HDMI 1.4 (Inputs 2, 4, 6, 8 up to 1920x1200 @ 60 Hz) 4 SDI (SMPTE 259M/292M/424M-A)	4 HDBaseT (Inputs 1, 3, 5, 7 up to 3840x2160 @ 30 Hz) 4 HDMI 1.4 (Inputs 2, 4, 6, 8 up to 1920x1200 @ 60 Hz) 4 SDI (SMPTE 259M/292M/424M-A)
Video Outputs and Supported Resolutions	1 HDBaseT 1 HDMI 1.4 (All outputs up to 3840x2160 @ 30 Hz)	1 HDBaseT 1 HDMI 1.4 (All outputs up to 3840x2160 @ 30 Hz)	2 HDBaseT 2 HDMI 1.4 (All outputs up to 3840x2160 @ 30 Hz)	2 HDBaseT 2 HDMI 1.4 (All outputs up to 3840x2160 @ 30 Hz)
Line Level Audio Inputs	4 stereo balanced (phoenix connector)	4 stereo balanced (phoenix connector)	4 stereo balanced (phoenix connector)	4 stereo balanced (phoenix connector)
Mic Level Audio Inputs	2 stereo balanced (phoenix connector)	2 stereo balanced (phoenix connector)	2 stereo balanced (phoenix connector)	2 stereo balanced (phoenix connector)
Audio Input Impedance	20 kΩ / 48 kHz	20 kΩ / 48 kHz	20 kΩ / 48 kHz	20 kΩ / 48 kHz
Line Level Audio Outputs	2 stereo balanced (phoenix connector)	2 stereo balanced (phoenix connector)	2 stereo balanced (phoenix connector)	2 stereo balanced (phoenix connector)
Speaker Output	1 stereo (phoenix connector)	1 stereo (phoenix connector)	1 stereo (phoenix connector)	1 stereo (phoenix connector)
Speaker Output Power	2x18W into 4 Ω, 2x12W into 8 Ω	2x18W into 4 Ω, 2x12W into 8 Ω	2x18W into 4 Ω, 2x12W into 8 Ω	2x18W into 4 Ω, 2x12W into 8 Ω
Dante Audio	N/A	32x32 mono channel	N/A	32x32 mono channel
Audio Output Impedance	>5 kΩ / 48 kHz	>5 kΩ / 48 kHz	>5 kΩ / 48 kHz	>5 kΩ / 48 kHz
Ethernet Transport	1x 10/100/1000Base-T RJ45 Ethernet Port (IEEE 802.3) (for Control)	3x 10/100/1000Base-T RJ45 Ethernet Ports (IEEE 802.3) (1x Control and 2x Dante)	1x 10/100/1000Base-T RJ45 Ethernet Port (IEEE 802.3) (for Control)	3x 10/100/1000Base-T RJ45 Ethernet Ports (IEEE 802.3) (1x Control and 2x Dante)
10GE Ports	2 SFP+ (see available accessories)	2 SFP+ (see available accessories)	4 SFP+ (see available accessories)	4 SFP+ (see available accessories)
General Purpose Inputs	2 (100V max)	2 (100V max)	2 (100V max)	2 (100V max)
General Purpose Outputs	2 (100mA max)	2 (100mA max)	2 (100mA max)	2 (100mA max)
Control Protocols	SNMP and Quartz over IP	SNMP and Quartz over IP	SNMP and Quartz over IP	SNMP and Quartz over IP
Control System	MAGNUM-AV	MAGNUM-AV	MAGNUM-AV	MAGNUM-AV
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	Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG) findings	Compliant with applicable DoD Network Devices Security Technical Implementation Guide (STIG) findings
Other Features	HDMI Audio, Output Scaling, Web-Based Configuration, In-Band Control, Front Panel Control	HDMI Audio, Output Scaling, Web-Based Configuration, In-Band Control, Front Panel Control	HDMI Audio, Output Scaling, Web-Based Configuration, In-Band Control, Front Panel Control	HDMI Audio, Output Scaling, Web-Based Configuration, In-Band Control, Front Panel Control
Voltage	100-240V / 50-60Hz	100-240V / 50-60Hz	100-240V / 50-60Hz	100-240V / 50-60Hz
Connector	IEC 60320 C14	IEC 60320 C14	IEC 60320 C14	IEC 60320 C14
Power Consumption	100W	100W	100W	100W
Operating Temperature	32° to 104° F (0° to 40° C)	32° to 104° F (0° to 40° C)	32° to 104° F (0° to 40° C)	32° to 104° F (0° to 40° C)
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Ordering Information

MMA10G-HUB2-22x11-2	4K/UHD in-room AV switch: 2x HDMI, 2x HDBaseT, and 2 SDI inputs, 1x HDMI and 1x HDBaseT outputs, 2x 10GE ports
MMA10G-HUB2-22x11A-2	4K/UHD in-room AV switch: 2x HDMI, 2x HDBaseT, and 2 SDI inputs, 1x HDMI and 1x HDBaseT outputs, 2x 10GE ports, 32x32 Dante audio
MMA10G-HUB2-44x22-4	4K/UHD in-room AV switch: 4x HDMI, 4x HDBaseT, and 4 SDI inputs, 2x HDMI and 2x HDBaseT outputs, 4x 10GE ports
MMA10G-HUB2-44x22A-4	4K/UHD in-room AV switch: 4x HDMI, 4x HDBaseT, and 4 SDI inputs, 2x HDMI and 2x HDBaseT outputs, 4x 10GE ports, 32x32 Dante audio

Available Accessories

MMA10G-SFP-TR85	SFP+, 10GE, 850nm, MMF, 50/125, LC/LC
MMA10G-SFP2-TR13	SFP+, 10GE, 1310nm, SMF, 9/125, LC/LC, 10K m
MMA10G-SFP-SFP-MM3	3m SFP+ to SFP+ fiber patch cable, 10GE, AOC, 850nm

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