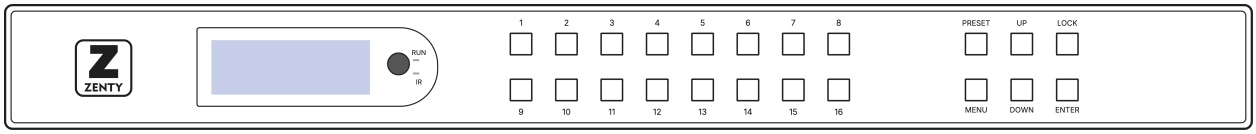
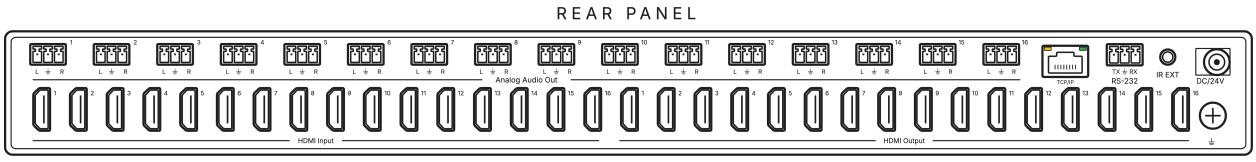
ZT-MT16AR

ZT-226 | HDMI Matrix Switch 16x16 4K@60Hz with audio routing

Scan to visit product page



ZT-MT16AR • Front Panel



ZT-MT16AR • Rear Panel

Product Description:

Introducing the Zenty ZT-MT16AR; a 16 x 16 HDMI matrix switcher that can support up to 4K 60Hz resolution, and has support for HDR, HDR10, and Dolby Vision. 16 Analog (3-pin phoenix) ports are available for audio routing, while the 4K > 1080P downscaling feature ensures that you can mix and match displays of different resolution within the setup without any hassle. Control the ZT-MT16AR via front panel buttons, IR remote, RS232 PC software, TCP/IP control via web-based interface, and utilize our Crestron drivers to integrate it with your control system. Packed with a ton of features, the ZT-MT16AR is the perfect companion for any residential or commercial audio/video distribution center. Features: 16 x HDMI Inputs | 16 x HDMI Outputs HDMI 2.0 | HDCP 2.2 / 1.4 compliant HDR | HDR10 | Dolby Vision support Digital audio; LPCM up to 7.1, Dolby Digital, Dolby Atmos etc. 16 x Analog Audio (3-pin phoenix port) Matrix Supports ARC (audio return channel) 4K > 1080P downscaling feature Smart EDID management FW updating through RS-232 port Control via: Front panel buttons & LCD | IR remote control | RS232 control | TCP/IP control | Crestron drivers available

Key Features:

- 16 x HDMI Inputs | 16 x HDMI Outputs. Supports up to 4K 60Hz resolution. Features 4K > 1080P downscaling
- Compatible with HDR | HDR10 | Dolby Vision. Digital Audio; Dolby Digital, Dolby Digital+, Dolby Atmos etc.
- 16 x Analog audio (3-pin phoenix) routing function
- Supports ARC | Smart EDID management. FW updating via RS-232 port
- Control via front panel buttons, IR remote control, RS232 control, TCP/IP control, Crestron drivers available

Specifications

VIDEO	
ARC / eARC	ARC HDMI output
Color space / chroma subsampling	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0
Colorimetry	Rec.601, Rec.709, BT.2020, DCI-P3 D65
Control connectors	RS-232 on 3-pin Phoenix, IR EXT on 3.5mm, RJ45 for TCP/IP or web GUI
Deep color	8-bit at 4K@60Hz 4:4:4, 10-bit and 12-bit at 4K@60Hz 4:2:0 and at 1080p
Downscaler mode	4K@60Hz to 1080p, Per-output, each port set independently
EDID management	4 Default / 4 User Defined / Copy from a chosen output
HDCP	HDCP 2.2, backward compatible with 1.4
HDMI version	HDMI 2.0
HDR pass-through	HDR10, HDR10+, HLG, Dolby Vision
Input ports	16x HDMI Type-A, 19-pin female
Max pixel clock	600MHz
Output ports	16x HDMI Type-A, 19-pin female, 16x analog audio output on 3-pin Phoenix
Supported resolutions	480p@60Hz, 576p@50Hz, 720p@60Hz, 1080p@24/50/60Hz, 4K@24/30Hz, 4K@60Hz 4:2:0, 4K@60Hz 4:4:4
Video bandwidth	18Gbps total, 6Gbps per channel
Video input formats	4K@60Hz 4:4:4, 8-bit, 4K@60Hz 4:2:0, up to 12-bit, 1080p@60Hz 4:4:4
Video output formats	Same as video input formats, Downscaled 4K@60Hz to 1080p, where an output needs it

AUDIO	
Analog audio output	3-pin Phoenix balanced, PCM 2.0, 32 to 192kHz, 16 to 24-bit

Specifications (cont.)

AUDIO (CONT)	
HDMI audio output	LPCM 2.0, LPCM 5.1 / 7.1, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS 5.1, DTS-HD Master Audio, DTS:X, Pass-through only, no decoding

MATRIX & ROUTING	
Audio binding mode	Bind to input, or matrix routed independently
Audio matrix / de-embedding	Independent 16x16 analog audio output
Matrix size	16x16
Routing mode	Any input to any output, one-to-many, all-to-one
Scaling	Down 4K@60Hz to 1080p

CONTROL & MANAGEMENT	
Control interface	Front panel buttons, IR remote, RS-232, TCP/IP, Web GUI
Firmware update / factory reset	Firmware update over RS-232
Presets / scenes	8 presets
RS-232 baud rate	115200 default
Web GUI	Browser-based, no plug-in required

GENERAL / PHYSICAL	
Certifications	FCC, CE, RoHS
Dimensions / net weight	438 x 334 x 44 mm, 5.38 kg
Housing	Metal
Limited warranty	5 years
Mounting	1U rack, Desktop
Operating / storage humidity	5% to 90% RH, non-condensing
Operating / storage temperature	Operating -5°C to 40°C / storage -10°C to 60°C
Power consumption (max)	80W
Power supply	100-240V AC 50/60Hz in, 24V DC @ 4A out

ADDITIONAL	
DCI 4K resolution support	Up to DCI 4K (4096x2160)
Passive and active HDMI cable reach	Passive HDMI up to 10m (32.8ft) in, 4m (13.1ft) out; AOC HDMI up to 100m (328ft)