



HDMI Matrix Routing Switcher

Model: 1T-MX-6344



1T-MX-6344 4x4 HDMI Matrix Switcher is designed to allow distribution of four HDMI (or DVI) sources independently to four destinations. The 1T-MX-6344 supports HDMI v1.3 Deep Color (10 bit color) video and new lossless, compressed Dolby TrueHD, Dolby Digital Plus as well as DTS-HD Master Audio digital audio. HDCP is supported and all signal paths are fully buffered to prevent cross talk. Frequency bandwidth is 2.25 Gbps (Single Link) and each input signal is reconstituted into a new signal before being output thereby eliminating any jitter component.

HDTV signals up to 1080p and PC signals up to UXGA signals are supported as well as 480i and 576i SDTV. Special mechanical features include TV One's exclusive locking DC power connector as well as compatibility with locking type HDMI cable connectors. RS-232 and Infrared Remote Control are provided in addition to front panel pushbuttons. Rackmount ears are included.



Key Features of the 1T-MX-6344

- 4x4 Matrix HDMI Matrix Routing Switcher
- HDMI v1.3 Compliant
- DVI Compatible (with DVI to HDMI Adapters)
- Full Embedded Digital Audio I/O Support
- PC Resolutions through UXGA
- HD Resolutions through 1080p
- SD Resolutions of 480i and 576i
- RS-232 Interface
- IR Remote Control
- IR Extender
- Rack Mount Kit included

Specifications

Video Inputs

HDMI (Note 1) 4x via HDMI Type A Connectors

Video Outputs

HDMI (Note 1) 4x via HDMI Type A Connectors

Audio Inputs/Outputs

Embedded Audio Dolby TrueHD, Dolby Digital Plus, DTS-HD

Performance

Compliance HDMI v1.3, HDCP 1.1, DVI 1.0

Signal Processing Compensated, Clock Phase Adjusted

Jitter Processing Reconstituted Signal; Jitter Free

Color Processing 30 bit (10 bit/color)

Frequency Bandwidth 2.25Gbps (Single Link)

Video Resolutions 480i through 1080p, VGA through UXGA

Audio Processing Dolby, DTS 32-192 fs sample, LPCM 7.1, all Channels

EDID Auto or Manual Discovery

Cable Distance-Input 20m (66 ft.) (1080p/8 Bit)

Cable Distance-Output 15m (49 ft.) (1080p/8 Bit)

Control Methods Front Panel, RS-232, IR Remote (IR Extender included)

Mechanical

Size (H-W-D) 1.75"x17.2"x 6.9"(44x438x175mm)

Weight (Net) 6.8 lbs (3.1Kgs)

Warranty

Limited Warranty 2 Years Parts and Labor

Environmental

Operating Temp. 0° to +50°C (+32° to +122°F)

Operating Humidity 10% to 90%, Non-condensing

Storage Temperature -10° to +60°C (+14° to +140° F)

Storage Humidity 10% to 90%, Non-condensing

Power Requirement

External Power Supply 5VDC - Locking DC

Regulatory Approvals

Switcher Units FCC, CE, RoHS

Power Supplies UL, CUL, CE, PSE, GS, RoHS

Accessories Included

1x AC Power Adapter US, UK or European Type

1x RC-44 IR Remote Control Unit

1x IR Extender

1x Rack Mount Kit

1x Operations Manual

Product Number

1T-MX-6344 HDMI 4x4 Matrix Switcher

Notes

(1) DVI Compatible by using HDMI to DVI Adapters.

Panel Drawings

