

HDMI Matrix

Model: MTX - H4x4

Features:



- Support multiple HDMI signals cross switch to multiple display devices
 - Perfect support 3D, 4 k*2 k ultra clear signal
 - Support 340 MHZ / 3.4 Gbps single channel bandwidth
 - Support 24/30/36/48 dark
 - Support blu-ray DVD24/50/60fs/HD-DVD /xvYCC
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- DTS audio format - DTS-HD/Dolby- trueHD/LPCM7.1/DTS/DOLBY- AC3/DSD/HD(HBR)
 - There are many kinds of control mode, supporting the remote control, buttons, or serial port communication, mobile phone APP, the support of different types of HDMI matrix control in a different way
 - Use AWG24 standard HDMI cables, transmission distance up to 30 meters, input and output every 15 meters

Videos input

Number/signal type	4 (depending on model) digital RGB (TMDS) HDMI (or single-link DVI-D*)
Connectors	4 female HDMI type A (digital only)
Nominal level	Digital video 1.2 Vp-p DDC (Display Data Channel) 5.0 Vp-p (TTL)
Minimum/maximum level	0.5 V to 1.0 Vp-p with no offset
Impedance	100 ohms
Return loss	<-15 dB @ 1 MHz to 1.5 GHz
TDR rise time (10% - 90%)	75 ps
Equalization	Automatic
Input cable length	>100' (30 m) at 1920x1200 @ 48, 50, or 60 Hz; or 1080p; 8 bit color

NOTE: The transmission distance varies depending on the signal resolution and on the type of cable, graphic card, and display used in the system.

Videos output

Number/signal type	4 (depending on model) digital RGB
Connectors	4 female HDMI type A
Nominal level	1.2 Vp-p
Minimum/maximum level	0.5 V to 1.0 Vp-p with no offset (follows input)
Impedance	100 ohms
Return loss	<-15 dB @ 1 MHz to 1.5 GHz
DC offset	±500 mV maximum with input at 0 offset
Rise and fall time (20-80%)	0.6 ns
Re-clocking	Automatic
Peripheral device power	250 mA per output

Connection Diagram



General

Power supply	Internal Input: 100-240 VAC, 50-60 Hz
Power consumption	48 watts, fully loaded 8 x 8 unit
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Thermal dissipation, full load	100 ohms
Mounting	Rack mount: Yes, 1U high
Enclosure type	Metal
Product weight	3.4 kg
Shipping weight	5 kg
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	Safety: BSMI, CE, c-UL, EAC, UL Compliances: CE, C-tick, FCC Class A, ICES, KCC, VCCI
Warranty	3 years parts and labor

NOTE: Specifications are subject to change without notice.



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