

MAX-HDMI44A-G

4 × 4 HDMI Matrix Switcher



The ABtUS **MAX-HDMI44A-G** 4×4 HDMI Matrix Switcher with Full HD 3D Support is a cost effective solution in routing high definition video sources plus multi-channel (up to 7.1-channel) digital audio from any of the four HDMI sources to four different displays at the same time.

This solution is well suited for use in home theater, conference room presentation systems, or other similar setting or applications.

Features

- Support HDMI Deep Color & full 3D
- HDCP compliant
- Allows any source to be displayed on multiple displays at the same time
- Allows any HDMI display to view any HDMI source at any time
- Supports 7.1 channel digital audio
- Supports default HDMI EDID and learns the EDID of displays
- Controllable by front panel buttons, IR, RS-232, and Ethernet
- Fast response time – 2~5 switching time

Technical specification

Input:	4× HDMI 1× RS-232 1× Ethernet 1× IR Socket Receiver
Output:	4× HDMI
Controls:	Front panel buttons / IR remote control / RS-232 control / Ethernet control
IR remote control:	Electro-optical characteristics: $\pi = 25^\circ$ / Carrier frequency: 38kHz
HDMI connector:	Type A [19-pin female]
RJ-45 connector:	WE/SS 8P8C with 2 LED indicators
RS-232 connector:	DE-9 [9-pin D-sub female]
3.5mm connector:	[System IR] Receivers IR commands from remote control
HDMI compliance:	HDMI Deep Color & full 3D
HDCP compliance:	Yes
Video bandwidth:	Single-link 225MHz [6.75Gbps]
Video support:	480i / 480p / 720p / 1080p60 36-bit color
Audio support:	Surround sound (up to 7.1ch) or stereo digital audio
Input TMDS signal:	1.2 Volts [peak-to-peak]
Input DDC signal:	5 Volts [peak-to-peak]
ESD protection:	[1] Human body model — $\pm 19\text{kV}$ [air-gap discharge] & $\pm 12\text{kV}$ [contact discharge] [2] Core chipset — $\pm 8\text{kV}$
PCB stack-up:	4-layer board [impedance control–differential 100 Ω ; single 50 Ω]
Fixedness:	1RU rack-mount with ears and wall hanging holes
Power supply:	5V 4A DC
Power consumption:	20 Watts [max]
Operation temperature:	0~40°C [32~104°F]
Storage temperature:	-20~60°C [-4~140°F]
Relative humidity:	20~90% RH [no condensation]
Housing:	Metal case enclose
Gross dimension (L × W × H):	524 × 265 × 75 mm
Gross weight:	4.5 kg