

MAX-HDMI42/AP4

4 in 2 out HDMI Matrix Switcher with RS-232 control



The ABtUS **MAX-HDMI42/AP4** receives and amplifies up to 4 HDMI inputs, perfectly switches the desired input to any 2 HDMI display panels or projectors, enabling the broadcast of multiple HDMI outputs to multiple displays. Any one of the inputs can now be broadcasted to any one or all of the outputs without introducing noticeable video quality distortion.

The Matrix supports Full HD 1080p 3D signals and a maximum resolution of 4096 x 2048. The MAX-HDMI42/AP4 offers the most convenient and cost effective means for swift switch of high quality digital signals in the market.

With RS-232 equipped, switching through using the front panel buttons or with an external touch control system as shown it allows controls to be more versatile and convenient.

Features

- FULL HD 1080P Cascade at 3 layers
- HDMI V1.4A , HDCP1.2.3D Support
- Support 30/36 deep Color
- POWER DC5V/1.2A
- 4096 x 2048 x 60hz.

Technical specification

Input:	4 x HDMI (*Type A 19pin female)
Output:	2 x HDMI (*Type A 19pin female)
Control port:	RS-232
HDMI compliance:	1080p 60Hz version 1.4A
HDCP compliance:	Yes
Video bandwidth:	Single-link 225 MHz (9Gbps)
Video support:	4096 x 2048, Full HD 3D & 1080p@60Hz 36-bit color
Audio support:	Surround Sound (up to 7.1ch) or Stereo Digital Audio
Audio return channel:	No
Ethernet channel:	No
Transmission range:	Full HD (1080p) up to 15m (*AWG 24 HDMI cable)
Input DCC signal:	5 Volts (peak to peak, TTL)
ESD protection:	[1] Human body model - ±15kV [air-gap discharge] & ±15kV [contact discharge] [2] Core chipset - ±15Kv
PCD Stack-up:	6-layer board impedance control-different 100ohm; Single 50ohm
Power supply:	5V DC 1.2A
Operation temperature:	0~40°C [32~104°F]
Storage temperature:	-20~60°C [-4~140°F]
Relative humidity:	20~90% RH [no condensation]

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Diagram

