

VS481B

4-Port 4K HDMI Switch



The VS481B 4-Port HDMI Switch allows you to quickly connect 4 HDMI sources to your HDMI display and easily switch between them via front panel pushbuttons, RS-232 or IR remote control. The front panel's LEDs indicate the source device selected for the display at a glance.

The VS481B supports Ultra HD 4Kx2K, the newest resolution for high definition displays; Auto Switching modes for auto port selection; Instant Switching for a smooth video transition between HDMI ports with increased efficiency; and features a built-in bi-directional RS-232 serial port that allows the switch to be controlled through a high-end controller, PC, and/or home automation/home theater software package.



Features

- Allows up to four HDMI A/V sources to be connected to one HDMI display
- Quick and easy switching between HDMI sources via front panel pushbuttons, RS-232 or IR Remote control
- Supports 300MHz bandwidth for ultrahigh 4kx2k video
- HDMI (3D, Deep Color, 4kx2k); HDCP compatible
- Auto switching modes for auto port selection
- Long distance transmission – up to 15 m (24 AWG)
- Consumer Electronics Control (CEC) support
- Supports Dolby True HD and DTS HD Master Audio
- Built-in bi-directional RS-232 serial remote port for high-end system control
- Instant switching between HDMI input sources
- Supports IR extension using a IR extension cable *
- LED indication of video source devices

Note: The IR extension cable (Part No. [2XRT-0003G](#)) is not included in this package.

Specification

Video Input	
Interfaces	4 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	3m @3840x2160@30 (4:4:4)

Video Output	
Interfaces	1 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	15m @3840x2160@30 (4:4:4)
Video	
Max. Data Rate	10.2 Gbps (3.4 Gbps per lane)
Max. Pixel Clock	340 MHz
Compliance	HDMI (3D, Deep Color, 4K) HDCP Compatible Consumer Electronics Control (CEC)
Max. Resolution	Up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
Control	
RS-232	Connector: 1 x DB-9 Female (Black) Baud Rate and Protocol: Baud Rate: 19200, Data Bits: 8, Stop Bits:1, Parity: No, Flow Control: No
IR	1 x Mini Stereo Jack Female (Black)
Connectors	
Power	Connector: 1 x DC Jack
Power Consumption	DC5V:1.76W:8BTU
Environmental	
Operating Temperature	0 - 50°C
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	0.48 kg (1.06 lb)
Dimensions (L x W x H)	20.00 x 8.25 x 2.50 cm (7.87 x 3.25 x 0.98 in.)
Carton Lot	10 pcs
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram

