

VS482B

4-Port True 4K HDMI Switch with Dual Output



The ATEN VS482B Switch is an ideal solution for application requiring superior video resolution of [True 4K](#) when connecting 4 HDMI A/V sources to 2 HDMI displays. Complying with HDMI 2.0 standards, the switch's Audio Return Channel (ARC) function allows users to send audio without having to attach a separate audio cable.

Furthermore, the VS482B offers switching methods between HDMI sources by front panel pushbuttons, IR remote control and RS-232 commands, enabling users to effortlessly select desired input. Equipped with [EDID Expert™](#), the VS482B benefits users with optimum [EDID](#) settings for smooth power-up and highest-quality display across different screens. Featuring above functionalities provides you a practical solution for auditorium, [home theater](#), [meeting rooms](#), trade shows, shopping centers, and more.



Features

- Allows up to 4 HDMI A/V sources to be connected to 2 HDMI displays
- Superior video quality – up to 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4); [HDR](#) supported
- HDMI 2.0 (3D, Audio Return Channel, Deep Color); [HDCP](#) 2.2 compliant
- Supports Auto Switch – the VS482B automatically switches to a newly plugged-in source
- Audio Return Channel (ARC) function – connects an HDMI cable to the ARC port to send audio from your source device to your audio/video receiver
- OSD for system configuration settings and information display
- Switching between HDMI input sources via front panel pushbuttons, IR remote control and RS-232 commands
- EDID Expert™ – selects optimum [EDID](#) settings for smooth power-up, high-quality display, and use of the best resolution across different screens
- Built-in bi-directional RS-232 serial control port for high-end system control
- HDMI audio can be extracted to stereo audio and digital audio (optical/coaxial) outputs
- Supports 5.1 channel audio output
- Supports Consumer Electronic Control (CEC)
- Rack mountable

Specifications

LEDs	
Input	LED (Green) x 4 (HDMI-In)

Audio	LED (Green) x 1 (ARC ON/OFF)
Power	LED (Green/Orange) x 1 (Power ON/OFF)
Switches	
Video Input Port Selection	Push button x 4 (HDMI-In)
Mode Selection	Push button x 1 (ARC ON/OFF)
Power	Push button x 1 (Power ON/OFF)
Video Input	
Interfaces	4 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	5m (4096x2160@60Hz, 4:4:4)
Video Output	
Interfaces	2 x HDMI Type A Female (Black)
Impedance	100 Ω
Max. Distance	5m (4096x2160@60Hz, 4:4:4)
Video	
Max. Data Rate	18 Gbps (6 Gbps Per Lane)
Max. Pixel Clock	600 MHz
Compliance	HDMI 2.0 (3D, Audio Return Channel, Deep Color) HDCP 2.2 Consumer Electronics Control (CEC)
Max. Resolution	4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4)
Max. Distance	Up to 5m (input / output)
Audio	
Input	4 x HDMI Type A Female (Black)
Output	Analog: 2 x RCA (Red / White) Digital: 2 x HDMI Type A Female (Black); 1 x Toslink (Black); 1 x RCA (Orange)
Control	
RS-232	Function: Port switching & FW upgrade Connector: 1 x DB-9 Female (Black) Baud Rate: 19200, Data Bits: 8, Stop Bits:1, Parity: No, Flow Control: No

IR	1 x Mini Stereo Jack Female (Black) 1 x IR Receiver
EDID Settings	EDID Mode: Default (4K@60Hz) / Port-1 / Remix
Connectors	
Power	1 x DC Jack
Power Consumption	DC5V:3.29W:15BTU
Environmental	
Operating Temperature	0 - 40°C
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	2.16 kg (4.76 lb)
Dimensions (L x W x H)	43.72 x 15.88 x 4.40 cm (17.21 x 6.25 x 1.73 in.)
Carton Lot	3 pcs
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
 www.aten.com E-mail: marketing@aten.com



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