

## VS482B

4-Port True 4K HDMI Switch with Dual Output - TAA Compliant



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

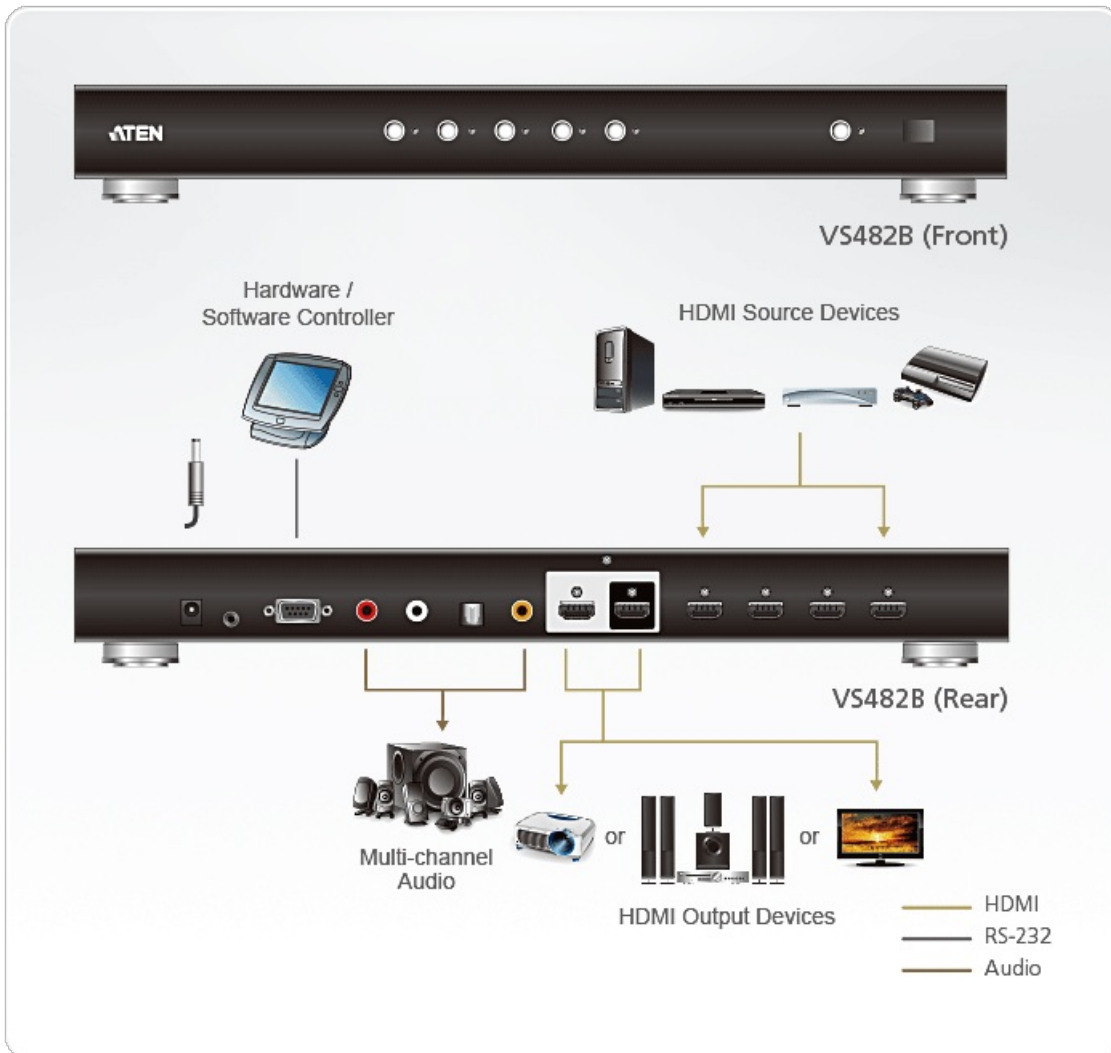
### Specification

|       |                              |
|-------|------------------------------|
| 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 $\Omega$  |
| Max. Distance              | 5m (4096x2160@60Hz, 4:4:4)  |
| Video Output               |   |
| Interfaces                 | 2 x HDMI Type A Female (Black)  |
| Impedance                  | 100 $\Omega$  |
| 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)<br>HDCP 2.2<br>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)<br>Digital:<br>2 x HDMI Type A Female (Black);<br>1 x Toslink (Black);<br>1 x RCA (Orange)                                    |
| Control                    |   |
| RS-232                     | Function: Port switching & FW upgrade<br>Connector: 1 x DB-9 Female (Black)<br>Baud Rate: 19200, Data Bits: 8,<br>Stop Bits:1, Parity: No, Flow Control: No |
| IR                         | 1 x Mini Stereo Jack Female (Black)<br>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/h<br><br>Note:<br><ul style="list-style-type: none"> <li>● The measurement in Watts indicates the typical power consumption of the device with no external loading.</li> <li>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.</li> </ul> |
| 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<br>(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



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