

## VS481A

### 4-Port HDMI Switch



The VS481A 4 Port HDMI Switch allows you to quickly and easily share your HDMI display device with 4 HDMI input sources. The VS481A allows convenient switching between digital devices such as DVD players, Satellite receivers, Digital Camcorder. The VS481A allows you to select the desired input source via a remote control unit and pushbuttons located on the switch.



### Features

- Allows up to four HDMI A/V source to be connected to one HDMI display
- Toggle between A/V sources using remote control or front panel pushbuttons
- Superior video quality - HDTV resolutions of 480p, 720p, 1080i, 1080p (1920x1080); VGA, SVGA, SXGA, UXGA (1600x1200) and WUXGA(1920x1200)
- HDMI (3D, Deep Color)
- Supports Dolby True HD and DTS HD Master Audio
- Up to 60 Hz refresh rate
- Long distance transmission - up to 15m (24 AWG)
- Built-in bi-directional RS-232 serial remote port for high-end system control
- Power On Detection – if one of the HDMI source devices is powered off, the VS481A will automatically switch to the next powered on device
- Plug-and-play - no software installation required
- DDC Compatible
- HDCP 1.4 compliant
- Signaling rates up to 2.25 Gbps in support of 1080p display
- All-metal casing
- LED indication of video source devices
- Easy and affordable way to add four HDMI inputs to your home theater system

\* Note: The VS481A AP and GUI operation instructions can be downloaded from the ATEN website ([www.aten.com](http://www.aten.com))

### Specification

|             |                                |
|-------------|--------------------------------|
| Video Input |                                |
| Interfaces  | 4 x HDMI Type A Female (Black) |
| Impedance   | 100 $\Omega$                   |

|                        |                                                                                                                                                                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Max. Distance          | 3m @1920x1080@60 (4:4:4)                                                                                                                                                                                                                                                                                    |
| Video Output           |                                                                                                                                                                                                                                                                                                             |
| Interfaces             | 1 x HDMI Type A Female (Black)                                                                                                                                                                                                                                                                              |
| Impedance              | 100 $\Omega$                                                                                                                                                                                                                                                                                                |
| Max. Distance          | 15m @1920x1080@60 (4:4:4)                                                                                                                                                                                                                                                                                   |
| Video                  |                                                                                                                                                                                                                                                                                                             |
| Max. Data Rate         | 6.75 Gbps (2.25 Gbps Per Lane)                                                                                                                                                                                                                                                                              |
| Max. Pixel Clock       | 225 MHz                                                                                                                                                                                                                                                                                                     |
| Compliance             | HDMI (3D, Deep Color)<br>HDCP Compatible<br>Consumer Electronics Control (CEC)                                                                                                                                                                                                                              |
| Max. Resolution        | Up to 1080p                                                                                                                                                                                                                                                                                                 |
| Control                |                                                                                                                                                                                                                                                                                                             |
| RS-232                 | Connector: 1 x DB-9 Female (Black)<br>Baud Rate and Protocol:<br>Baud Rate: 19200, Data Bits: 8, Stop Bits:1, Parity: No, Flow Control: No                                                                                                                                                                  |
| Connectors             |                                                                                                                                                                                                                                                                                                             |
| Power                  | 1 x DC Jack                                                                                                                                                                                                                                                                                                 |
| Power Consumption      | DC5.3V:1.87W:9BTU/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 - 50°C                                                                                                                                                                                                                                                                                                    |
| Storage Temperature    | -20 - 60°C                                                                                                                                                                                                                                                                                                  |
| Humidity               | 0 - 80% RH, Non-Condensing                                                                                                                                                                                                                                                                                  |
| Physical Properties    |                                                                                                                                                                                                                                                                                                             |
| Housing                | Metal                                                                                                                                                                                                                                                                                                       |
| Weight                 | 0.47 kg ( 1.04 lb )                                                                                                                                                                                                                                                                                         |
| Dimensions (L x W x H) | 20.00 x 8.27 x 2.50 cm<br>(7.87 x 3.26 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



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