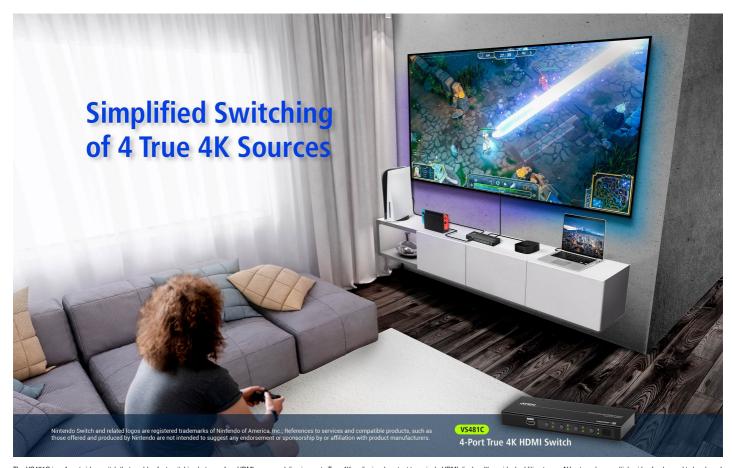


## VS481C

4-Port True 4K HDMI Switch





The VS481C is a 4-port video switch that enables fast switching between four HDMI sources, delivering up to True 4K audiovisual content to a single HDMI display. It's an ideal addition to any AV setup where multiple video feeds need to be shared and switched instantly – perfect for home entertainment systems, meeting rooms, retail displays, and more.

# Instant Switching between 4 HDMI Inputs

Enjoy a variety of video content by switching between 4 HDMI source devices, such as computers, media players, and more.











## True 4K Visual Clarity

The VS481C delivers stunning video quality with crystal-clear detail at resolutions up to True 4K ( $4096\times2160/3840\times2160$  @ 60Hz, 4:4:4).

### Long-Distance 4K Transmission

The video switch supports flexible cabling, with connections to each HDMI source up to 3 meters (  $\underline{2L-7D03H}$  recommended) and to the HDMI display up to 15 meters (  $\underline{2L-7D15H}$  recommended), delivering optimal 4K visual clarity (4096 × 2160 / 3840 × 2160 @ 30Hz, 4:4:4) in any AV setup.



### Flexible Switching Options

Switching is made easy with front-panel pushbuttons or the included IR remote control. Port selection can also be managed via a high-end controller, PC, or automation/theater software through an RS-232 serial connection to the switch. Or simply enable Auto Switch mode to automatically prioritize the most recently connected device as the video source.





### Applications

The VS481C is well suited for any commercial or professional application requiring instant switching between multiple video sources for various viewing purposes.

1. 2. 3.





Home Entertainment





Classroom





Meeting Room





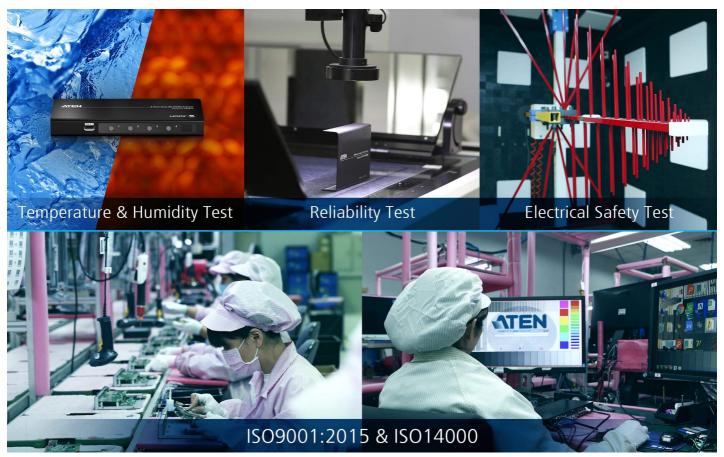
Post Production

Previous Next

Commitment to Best Quality

Each product is rigorously tested under diverse environmental conditions to ensure high-quality, reliable, and cost-effective performance for our customers.





Talk to Our Experts

If you prefer to have ATEN contact you, please complete the form and a representative will be in touch with you shortly

First Name *	
Last Name *	
- Country *	V
Company *	
Email *	
Phone Number	
- Customer Type *	V
Job Title *	



















18Gbps Max. Bandwidth

RS-232 Control

The ATEN VS481C is designed for applications that require the routing of 4 sources to one compatible display device. It enables the reliable transmission at video resolutions up to True 4K (4096 x 2160 @ 60Hz 4:4:4), data rates up to 18 Gbps, 3D, Deep Color up to 12-bit, and HD lossless audio formats. Integrator-friendly features include Auto Switching modes for auto port selection, bi-directional RS-232, and IR for remote device control.

Engineered to meet today's demand of True 4K signal transmission and user- oriented design, the ATEN VS481C is a powerful solution for a wide range of settings, such as home theater, meeting rooms, trade shows, and shopping centers.

- Allows up to 4 HDMI sources to be connected to one HDMI display
  HDMI (3D, Deep Color, 4K); HDCP 2.2 compliant
  Superior video quality- True 4k resolutions of 4k x 2k @ 60 Hz (4:4:4)

- Supports HDR10<sup>+</sup>
  Supports IR extension
  Built-in bi-directional RS-232 serial port for high-end system control
  Auto switching modes for auto port selection
  LED indication of source device status

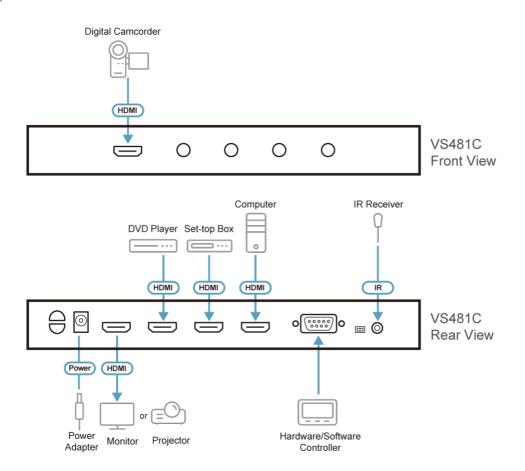
- Plug-and-play

### Specifications

Seaton         As Senin Notife           One         As Senin Notife           Video Input         Video Input           Video Input         4 x HOMI Tipe A Formic (Black)           Properties         10 0           Association         10 0           Video Cuput         Video Cuput           Video Cuput         Video Cuput           Video         10 0           Association         10 0 0           Association         10 0 0           Association         10 0 0           Association         10 0 0 0           Video         Video           Video         Video Interest Liveo           Association         10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Specifications		
Microsis	Switches		
Intentionation	DIP	Auto Switch ON/OFF	
Impedance   100 D	Video Input		
Max. Distance         94 at 4496 x 2106 (9 600 x 144)           Video-Cuipul           Interfaces         1 x 1400M Type A Femile (Black)           Opportune         100 G           Max. Distance         95 at 4496 x 2100 (9 600 x (4.44)           Video         Wax. Distance           Max. Distance         16 Gape (16 Gape Per Lame)           Max. Pace (Lock         460 Met           Compliance         16 Mil (Dis. Deep Coor. 44) 11COP 2 2 11COP 2 2 11COP 2 3 11COP 2	Interfaces	4 x HDMI Type A Female (Black)	
Note Output	Impedance	100 Ω	
Interfaces	Max. Distance	5M at 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4)	
Impedance	Video Output		
Max. Delarace         SM at 4086 x 2160 / 8840 x 2160 @ 6014 (4-4.4)           Victor           Max. Delarace         18 Clope (6 Clips Per Lane)           Max. Pixel Clock         600 MHz           Compliance         HOW 82.0 per Color, 4K) HOCP 22 consume filteriones Control (CEC)           Max. Resolution         4006 x 2160 / 3840 x 2160 @ 6014z (4-4.4)           Control         Control           RS-232         Connector : 1 x D8-8 Female (Black) Base Plate : 19200 / Data Bits : 87 Stop Bits : 17 Partly : NO / Flow Control : NO           BF         1 x Min Steeo Jack Female (Black) Base Plate : 19200 / Data Bits : 87 Stop Bits : 17 Partly : NO / Flow Control : NO           Connectors         Connectors           Power         1 x D Cask (with besing)           Power Consumption         DCSV 9.384W:208TUh Note: • The measurement in Walts includes the typical power consumption of the device with n external loading. • The measurement in BTUh includes the power consumption of the device with n it s.fully loaded.           Environmental         Consider Temperature         0.40 °C           Storage Temperature         0.40 °C           Storage Temperature         0.40 °C           Housing         Metal           Weight         0.47 %g (1.04 b)           Underly         0.47 %g (1.04 b)           Constant La W x H)         2000 x B.21 x 25 0 cm (2.67 x 3.23 x 3.0	Interfaces	1 x HDMI Type A Female (Black)	
Vision           Nax. Data Rate         18 Clops (6 Clops Per Lane)           Max. Pixel Clock         800 Mtz           Compliance         HDMI (8D. Deep Color, 4K) HDMD P22 Consumer Electrorius Control (CEC)           Max. Resolution         406 x 2 160 / 3840 x 2 160 @ 60Hz (4-44)           Control           RS-232         Comeator : 1 x DB 8 Pemale (Black) Based Rais : 1980 in Data Bits : 1 / Stip Bits : 1 / Parly : NO / Fow Control : NO           R           Contrectors           Very Consumption           Dover Onsumption         DCS/V3.284W-20BT Uh Nase: • The measurement in Wists indicates the pypical power consumption of the device when it is fully loaded.           Environmental           Environmental           Doperating Temperature         0-40 °C           Storage Temperature         0-90 °F RH, Non-Condensing           Physical Properties         400 °C           Housing         0-80% RH, Non-Condensing           Properating Temperature         0-90% RH, Non-Condensing           Properties         0.40 °C           Brown Consumption         0.40 °C           Brown Consumption         0.40 °C           Companing Temperature         0.40 °C           Brown Consumption         0.	Impedance	100 Ω	
Max. Data Rate         18 Ckps (6 Ckps Per Lane)           Max. Pact Clock         600 MHz           Compliance         HDMI (3D. Deep Color, 4K) HDGP 22° Consumer Electronics Control (CEC)           Max. Resolution         4 22 (20 / 384 x 2160 / 384 x 2160 / 684 x 444)           Control         Fig. 22°           BS-522         Connector: 1 x DB-3 Female (Black)           BS-523         Connector x 1 x Min Stence Jack Female (Black)           Control         x Min Stence Jack Female (Black)           Connectors         Fower Consumption           Power Consumption         DCS-30.364 (with locking)           Environmental         Consequence of the Mats indicates the typical power consumption of the device with no external loading.	Max. Distance	5M at 4096 x 2160 / 3840 x 2160 @ 60Hz (4:4:4)	
Max. Pixel Clock	Video		
Max. Resolution   Mg 2160 / 3840 x 2160 @ 60Hz (4.4.4)	Max. Data Rate	18 Gbps (6 Gbps Per Lane)	
HDCP 22 Consume Floctronics Control (CFC)   Max. Resolution   4096 x 2180 / 3840 x 2180 @ E0Hz (4.4.4)   Control     R5-232   Consumetor: 1 x D8-9 Female (Black)   Baud Rate: 15200 / Data Bits: 8 / Stop Bits: 1 / Parily: NO / Flow Control: NO     R	Max. Pixel Clock	600 MHz	
Max. Resolution         4996 x 2160 / 3840 x 2160 @ 60Hz (4.4.4)           Control           RS-232         Connector: 1 x DB-9 Female (Black) Band Fals: 19200 / Data Bits: 18 / Sing Bits: 1 / Parity: NO / Flow Control: NO           IR         1 x Min Stereo Jack Female (Black) Band Fals: 19200 / Data Bits: 18 / Sing Bits: 1 / Parity: NO / Flow Control: NO           Connectors         1 x DC Jack (with locking)           Power         1 x DC Jack (with locking)           Power Consumption         DC5V.0.924W20BTUh Note: • The measurement in Walts indicates the typical power consumption of the device with no external loading. • The measurement in BTUh indicates the power consumption of the device when it is fully loaded.           Environmental         50 on 0° C           Storage Temperature         -20 · 60 ° C           Hurnidity         0 on 8% RH, Non-Condensing           Physical Properties         Housing           Metal         0.47 kg (1.04 lb)           Dimensions (L x W x H)         2000 x 221 x 250 cm (7.87 x 3.23 x 0.98 in.)           Caron Lot         10 pcs	Compliance	HDCP 2.2	
RS-232   Connector: 1 x DB-9 Female (Black)   Baud Rate: 19200 / Data Bits: 8 / Stop Bits: 1 / Parity: NO / Flow Control: NO     R	Max. Resolution		
Connector : 1 x DB-9 Female (Black)   Baud Rate : 19200 / Data Bits : 8 / Stop Bits : 1 / Parity : NO / Flow Control : NO			
T x Mini Stereo Jack Female (Black)   1 x IR Receiver		Connector : 1 x DB-9 Female (Black) Baud Rate : 19200 / Data Bits : 8 / Stop Bits : 1 / Parity : NO / Flow Control : NO	
Power Consumption  CSV-0.924W/20BTU/h Note:  The measurement in Watts indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.  Environmental  Operating Temperature  0-40 °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)  2000 x 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)  Garton Lot  10 pcs	IR		
Power Consumption  DC5V-0.924W:20BTU/h Note:	Connectors		
Note: The measurement in Watts indicates the typical power consumption of the device with no external loading. The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.  Environmental  Operating Temperature  0-40 °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 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)  Carton Lot  10 pcs	Power	1 x DC Jack (with locking)	
• The measurement in Watts indicates the typical power consumption of the device with no external loading. • The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.  Environmental  Operating Temperature  0-40 °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 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)  Carton Lot  10 pcs	Power Consumption	DC5V:0.924W:20BTU/h	
Operating Temperature         0-40 °C           Storage Temperature         -20 - 60 °C           Humidity         0 - 80% RH, Non-Condensing           Physical Properties         Housing           Metal         0.47 kg (1.04 lb)           Dimensions (L x W x H)         20.00 x 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)           Carton Lot         10 pcs		The measurement in Watts indicates the typical power consumption of the device with no external loading.	
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 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)           Carton Lot         10 pcs	Environmental		
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 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)           Carton Lot         10 pcs	Operating Temperature	0-40 °C	
Physical Properties           Housing         Metal           Weight         0.47 kg (1.04 lb)           Dimensions (L x W x H)         20.00 x 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)           Carton Lot         10 pcs	Storage Temperature	-20 - 60 °C	
Housing         Metal           Weight         0.47 kg (1.04 lb)           Dimensions (L x W x H)         20.00 x 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)           Carton Lot         10 pcs	Humidity	0 - 80% RH, Non-Condensing	
Weight         0.47 kg (1.04 lb)           Dimensions (L x W x H)         20.00 x 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)           Carton Lot         10 pcs	Physical Properties		
Dimensions (L x W x H)         20.00 x 8.21 x 2.50 cm (7.87 x 3.23 x 0.98 in.)           Carton Lot         10 pcs	Housing	Metal	
(7.87 x 3.23 x 0.98 in.)  Carton Lot 10 pcs	Weight	0.47 kg (1.04 lb)	
	Dimensions (L x W x H)		
Note For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.	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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