Simply Better Connections

VC1280

2-Port 4K HDMI/VGA to HDMI Converter Switch



The ATEN VC1280 is a user-friendly device that simply connects HDMI and VGA sources to one HDMI display or projector. Apart from being compliant with HDCP 1.4, the VC1280 also supports HDMI 1.4 including 3D, Deep Color and 4K (3840 X 2160@30 Hz). In addition, the VC1280 features built-in VGA conversion, which allows you to transmit VGA signals to HDMI output without using extra adapters or scalers.

The VC1280 offers 3 source switching modes – HDMI, VGA, and AUTO, it allows you to switch rapidly and intuitively via a pushbutton for real-time use. When the VC1280 operates on the AUTO input mode, it transmits the first detected input to the HDMI display, and automatically switches to a newly plugged-in source when it detects the signals.

Without any software or driver installation required, the VC1280 is a handy and easy-to-use multi-input A/V switch. It is ideal for user that needs automatic and quick switching to adopt. With the VC1280, you can effortlessly accelerate instant collaboration and work efficiency with co-workers.

4K HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

Features

- Supports Auto Switch – the VC1280 automatically switches to a newly plugged-in source
- Connects two sources (HDMI/VGA) to one HDMI display
- Converts VGA signals to HDMI output
- Easily switches sources among 3 modes (HDMI/VGA/AUTO) via a pushbutton
- HDMI 1.4 (3D, Deep Color, 4K); HDCP 1.4 compatible
- Superior video quality – up to 4K (3840 x 2160 @ 30Hz)
- RS-232 Channel Transmission – allows you to connect to serial terminals or serial devices for firmware upgrade
- Supports Consumer Electronic Control (CEC)
- Plug-and-play; no software or driver installation required
- Quality and durable metal enclosure

Specification

LEDs	
Status	3 x LED (Front - Source Switching: AUTO / HDMI / VGA) Color: Orange 3 x LED (Top - HDMI / VGA / POWER) Color: HDMI – Orange / VGA – Orange / Power - Green
Video Input	

Interfaces	1 x HDMI (Type A Female, Black) 1 x VGA (HDB-15 VGA Female, Blue)
Impedance	HDMI: 100 Ω VGA: 75 Ω
Max. Distance	1.8 m - VGA (1920 x 1200) 3m - HDMI (3840 x 2160@30Hz)
Video	
Max. Data Rate	10.2Gbps (3.4Gbps per lane)
Max. Pixel Clock	340 MHz
Compliance	HDMI 1.4 (3D, Deep Color, 4K) HDCP 1.4 Compatible Consumer Electronics Control (CEC)
Max. Resolutions / Distance	Video Input 3m - HDMI (3840 x 2160 @30Hz) 1.8m - VGA (1920 x 1200) Video Output 15m - HDMI (3840 x 2160 @30Hz)
Audio	
Input	1 x HDMI (Type A Female, Black) 1 x 3.5mm Stereo audio Jack Female (Green)
Control	
RS-232	FW upgrade & control: Connector: 1 x Terminal Block, 3 pole Baud Rate: 19200, Data Bits: 8, Stop Bits: 1, no parity and flow control
Switches	
Video Input Port Selection	Source switching: HDMI / VGA / AUTO 1 x Push Button
Connectors	
Power	1 x DC Jack (with locking, black)
Power Consumption	DC5V:1.8W:8BTU
Environmental	
Operating Temperature	0 - 40°C
Storage Temperature	-20 - 60°C
Humidity	0 - 80% RH, Non-Condensing
Physical Properties	
Housing	Metal
Weight	0.43 kg (0.95 lb)
Dimensions (L x W x H) with bracket	14.32 x 12.30 x 3.00 cm (5.64 x 4.84 x 1.18 in.)

Dimensions (L x W x H) without bracket	13.60 x 10.10 x 2.90 cm (5.35 x 3.98 x 1.14 in.)

Diagram



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