

## 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 scalars.

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.



### 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

### Specifications

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

|                                     |                                                                                                                                               |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Interfaces                          | 1 x HDMI (Type A Female, Black)<br>1 x VGA (HDB-15 VGA Female, Blue)                                                                          |
| Impedance                           | HDMI: 100 $\Omega$<br>VGA: 75 $\Omega$                                                                                                        |
| Max. Distance                       | 1.8 m - VGA (1920 x 1200)<br>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)<br>HDCP 1.4 Compatible<br>Consumer Electronics Control (CEC)                                                    |
| Max. Resolutions / Distance         | Video Input<br>3m - HDMI (3840 x 2160 @30Hz)<br>1.8m - VGA (1920 x 1200)<br>Video Output<br>15m - HDMI (3840 x 2160 @30Hz)                    |
| Audio                               |                                                                                                                                               |
| Input                               | 1 x HDMI (Type A Female, Black)<br>1 x 3.5mm Stereo audio Jack Female (Green)                                                                 |
| Control                             |                                                                                                                                               |
| RS-232                              | FW upgrade & control:<br>Connector: 1 x Terminal Block, 3 pole<br>Baud Rate: 19200, Data Bits: 8,<br>Stop Bits: 1, no parity and flow control |
| Switches                            |                                                                                                                                               |
| Video Input Port Selection          | Source switching: HDMI / VGA / AUTO<br>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<br>(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<br>(5.35 x 3.98 x 1.14 in.) |
|----------------------------------------|-----------------------------------------------------|

# Diagram



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