

## VC081A

True 4K HDMI EDID Emulator Adapter



As a True 4K HDMI EDID Emulator Adapter, the VC081A is designed to emulate and store one set of the EDID from the connected display while facilitating 4K video transmission. By learning the EDID from the HDMI display and relaying it to the video source, the VC081A helps to eliminate video communication problems that occur due to the EDID data synchronization failure between the HDMI video source and the connected display.

The VC081A contains a unique "Learn Button Switch" to allow EDID to be effectively learned and saved. Once the EDID is learned, the VC081A can be used to keep a PC or server awake from a remote location over IP instead of the monitor. The VC081A is an ideal device for avoiding blank or blink display issues led by communication errors between sources and displays when integrating a Pro AV system.



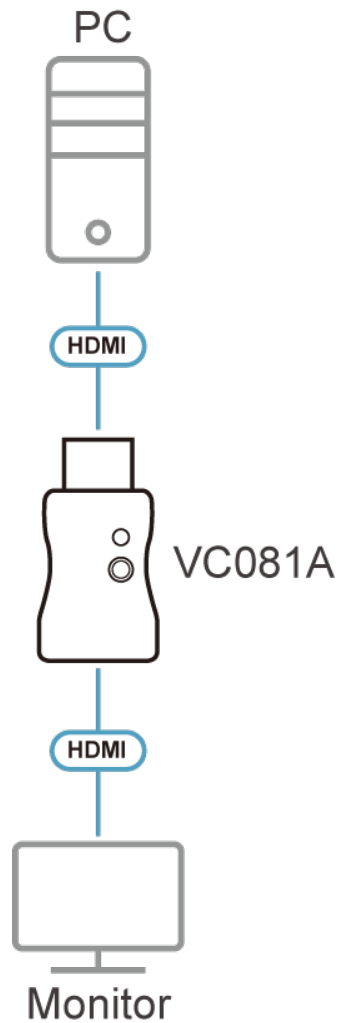
### Features

- Manages EDID communication between connected devices
- Effectively learns and saves the EDID from the connected HDMI display via single pushbutton and relays it to the video source
- HDMI (3D, Deep Color, True 4K); HDCP 2.2 compliant
- Supports superior video quality up to 4096 x 2160 / 3840 x 2160 @ 60 Hz (4:4:4) via EDID Learning Mode
- LED indicators to show learning status
- Powered by HDMI source
- Compact and lightweight design

# Specification

|                        |                                                                                                                                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Input            |                                                                                                                                                                                                                                                |
| Interfaces             | 1 x HDMI Type A Male (Black)                                                                                                                                                                                                                   |
| Impedance              | 100 Ω                                                                                                                                                                                                                                          |
| Video Output           |                                                                                                                                                                                                                                                |
| Interfaces             | 1 x HDMI Type A Female (Black)                                                                                                                                                                                                                 |
| Impedance              | 100 Ω                                                                                                                                                                                                                                          |
| Video                  |                                                                                                                                                                                                                                                |
| Compliance             | HDMI (3D, Deep Color, True 4K)<br>HDCP 2.2 Compatible<br>Consumer Electronic Control (CEC)                                                                                                                                                     |
| Max. Resolution        | Default: 1080P@60Hz<br>Learning: 3840x2160@60Hz 4:4:4 & 4096x2160@60Hz 4:4:4                                                                                                                                                                   |
| EDID Settings          | EDID Mode: Default / Learning                                                                                                                                                                                                                  |
| Connectors             |                                                                                                                                                                                                                                                |
| Power                  | Bus-powered (5V DC from source device)                                                                                                                                                                                                         |
| Switches               |                                                                                                                                                                                                                                                |
| Mode Switch            | EDID Learning                                                                                                                                                                                                                                  |
| LEDs                   |                                                                                                                                                                                                                                                |
| Status                 | Learning (Blue x 1)                                                                                                                                                                                                                            |
| Power Consumption      | DC5V:0.1WBTU/h<br><br>Note:<br>● The measurement in Watts indicates the typical power consumption of the device with no external loading.<br>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded. |
| Environmental          |                                                                                                                                                                                                                                                |
| Operating Temperature  | 0 - 50 °C                                                                                                                                                                                                                                      |
| Storage Temperature    | -20 - 60 °C                                                                                                                                                                                                                                    |
| Humidity               | 0 - 80% RH, Non-Condensing                                                                                                                                                                                                                     |
| Physical Properties    |                                                                                                                                                                                                                                                |
| Housing                | Plastic                                                                                                                                                                                                                                        |
| Weight                 | 0.08 kg ( 0.18 lb )                                                                                                                                                                                                                            |
| Dimensions (L x W x H) | 4.40 x 2.40 x 1.18 cm<br>(1.73 x 0.94 x 0.46 in.)                                                                                                                                                                                              |
| Carton Lot             | 20 pcs                                                                                                                                                                                                                                         |
| Note                   | For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.                                                                                                                |

## Diagram

**ATEN International Co., Ltd.**

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan  
Phone: 886-2-8692-6789 Fax: 886-2-8692-6767  
www.aten.com E-mail: marketing@aten.com



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