

# USB HDMI Dual View HDBaseT™ 2.0 KVM Extender CE824

ATEN CE824 adopts HDBaseT 2.0 technology to transmit uncompressed HDMI video, stereo audio, USB, and RS-232 signals while supporting up to 4096 x 2160 @ 30Hz (4:4:4) on a single display / 1080p on dual displays across 100 m over a single Cat 6 / 6A cable (ATEN 2L-29330 recommended), allowing access to a distant computer for KVM control from the remote console. With Long Reach Mode enabled, the CE824 can extend 1080p HDMI source along with other signals up to 150 m.\* The ease of cabling installation plus the rack mount compatibility assure a more efficient system setup. The CE824 serves as an ideal solution for applications that require high-quality multi-signal extension and KVM control across long distances – such as control centers, banking and finance sectors, industrial warehouses, and extended workstations.

**Note:** 1080p @ 150 m can only be achieved via single display installation.



**HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE



CE824L



Front View



CE824L

CE824R

CE824R



Rear View



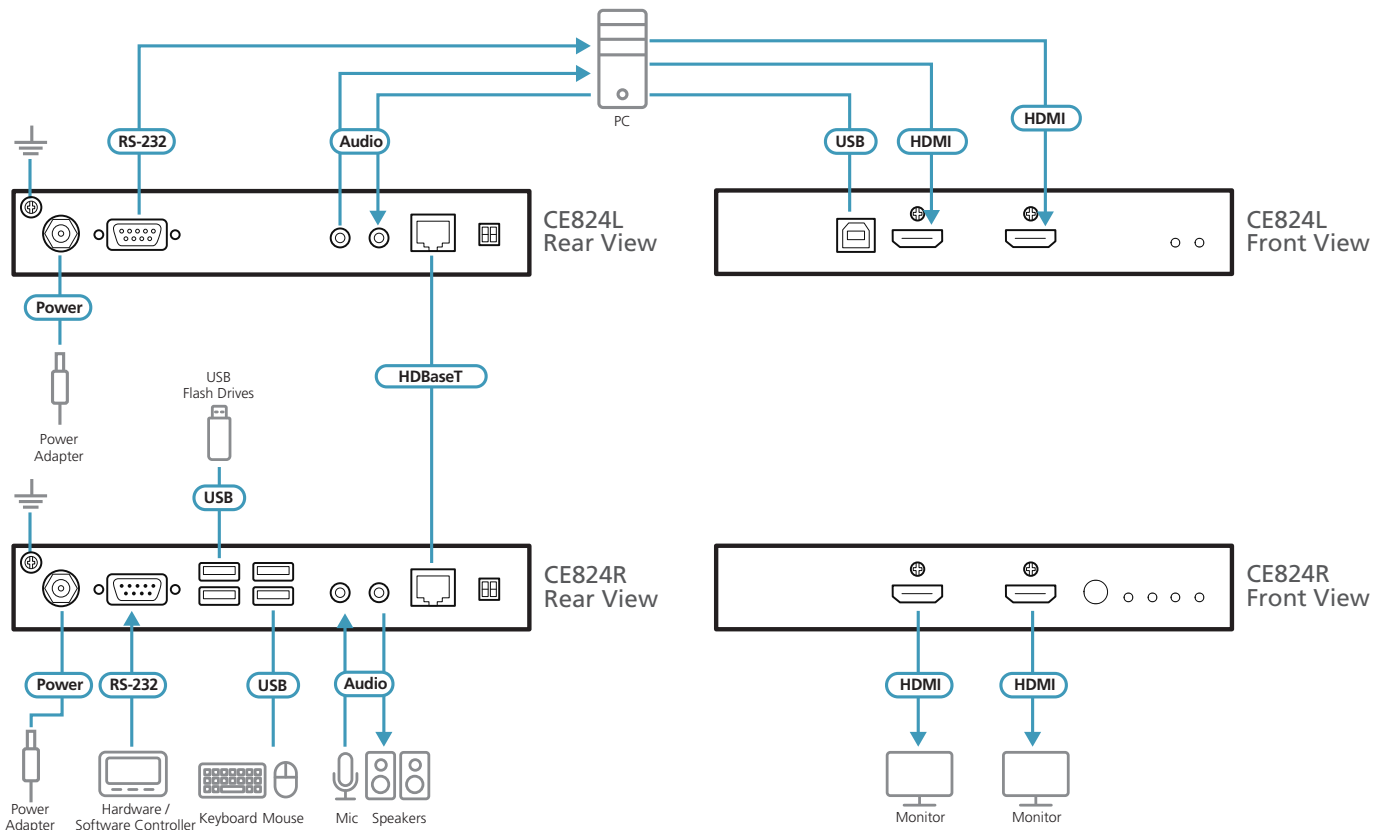
CE824L

CE824R

## Features

- Allows HDMI dual view access to a distant computer for KVM control from remote console
- Transmits uncompressed HDMI video / stereo audio / USB / RS-232 signals via one single Cat 6 / 6A / ATEN 2L-29330 cable over long distances:
  - Standard mode supports single view at up to 4K or dual-view up to 1080p over 100 m
  - Long Reach mode supports single view at up to 1080p or dual-view up to 720p over 150 m\*
- 4 x USB 2.0 Type-A ports on the remote unit for connection to multiple USB peripherals
- Supports 2-channel stereo audio
- EDID buffer for smooth power-up and the highest quality display
- PC wakeup function enabled via a pushbutton through RS-232
- HDCP compatible
- Built-in 8KV / 15KV ESD protection (Contact voltage 8KV; Air voltage 15KV)
- DC Jack with screw-lock ensures stable and secure connection
- Rack mountable

**Note:** 1080p @ 150 m can only be achieved via single display installation.



## Specifications

|                        | CE824L                                                                                                                                                                                                                                                                                                           | CE824R                                                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Connectors             |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |
| KVM Ports              | 2 x HDMI Female (Black)<br>1 x USB Type-B Female (White)<br>1 x Mini Stereo Jack Female (Green)<br>1 x Mini Stereo Jack Female (Pink)                                                                                                                                                                            | N/A                                                                                                                                   |
| Console Ports          | N/A                                                                                                                                                                                                                                                                                                              | 2 x HDMI Female (Black)<br>4 x USB Type-A Female (White)<br>1 x Mini Stereo Jack Female (Green)<br>1 x Mini Stereo Jack Female (Pink) |
| RS-232                 | 1 x DB-9 Female (Black)                                                                                                                                                                                                                                                                                          | 1 x DB-9 Male (Black)                                                                                                                 |
| Power                  | 1 x DC Jack (Black) with locking                                                                                                                                                                                                                                                                                 | 1 x DC Jack (Black) with locking                                                                                                      |
| Unit To Unit           | 1 x RJ-45 Female (Black)                                                                                                                                                                                                                                                                                         | 1 x RJ-45 Female (Black)                                                                                                              |
| LEDs                   |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |
| Power                  | 1 (Green)                                                                                                                                                                                                                                                                                                        | 1 (Green)                                                                                                                             |
| Link                   | 1 (Orange)                                                                                                                                                                                                                                                                                                       | 1 (Orange)                                                                                                                            |
| Video Output           | N/A                                                                                                                                                                                                                                                                                                              | 2 (Orange)                                                                                                                            |
| Switches               |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |
| Long Reach Mode Switch | 1 x Slide Switch                                                                                                                                                                                                                                                                                                 | 1 x Slide Switch                                                                                                                      |
| Firmware Upgrade       | 1 x Slide Switch                                                                                                                                                                                                                                                                                                 | 1 x Slide Switch                                                                                                                      |
| Pushbuttons            |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |
| Wakeup Button          | N/A                                                                                                                                                                                                                                                                                                              | 1 x Pushbutton                                                                                                                        |
| Video                  | Single view:<br>Up to 4K @ 100 m (Cat 6/6A/ATEN 2L-29330 Cat 6A)<br>1080p @ 150 m (Cat 6/6A/ATEN 2L-29330 Cat 6A) with Long Reach Mode enabled<br>Dual-view:<br>Up to 1080p @ 100 m (Cat 6/6A/ATEN 2L-29330 Cat 6A)<br><br>*4K supported: 4096 x 2160 @ 60Hz (4:2:0) ; 4096 x 2160 / 3840 x 2160 @ 30 Hz (4:4:4) |                                                                                                                                       |
| Power Consumption      | DC 12V:5.98W                                                                                                                                                                                                                                                                                                     | DC 12V:10.32W                                                                                                                         |
| Environmental          |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |
| Operating Temperature  | 0 – 40°C                                                                                                                                                                                                                                                                                                         |                                                                                                                                       |
| Storage Temperature    | -20 – 60°C                                                                                                                                                                                                                                                                                                       |                                                                                                                                       |
| Humidity               | 0 – 80% RH, Non-condensing                                                                                                                                                                                                                                                                                       |                                                                                                                                       |
| Physical Properties    |                                                                                                                                                                                                                                                                                                                  |                                                                                                                                       |
| Housing                | Metal                                                                                                                                                                                                                                                                                                            |                                                                                                                                       |
| Weight                 | 0.79 kg                                                                                                                                                                                                                                                                                                          | 0.82 kg                                                                                                                               |
| Dimensions (L x W x H) | 17.42 x 15.59 x 2.88 cm                                                                                                                                                                                                                                                                                          | 17.42 x 15.59 x 2.88 cm                                                                                                               |

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