

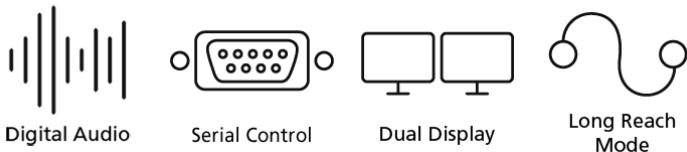
CE824

USB HDMI Dual View HDBaseT™ 2.0 KVM Extender (4K@100m for Single View)



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.



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

Function	CE824L	CE824R
Connectors		
KVM Ports	2 xHDMI Female (Black) 1 x USB Type B Female (White) 1 x Mini Stereo Jack Female (Green) 1 x Mini Stereo Jack Female (Pink)	N/A
Console Ports	N/A	2 x HDMI Female (Black) 4 x USB Type A Female (White) 1 x Mini Stereo Jack Female (Green) 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)	1 x DC Jack (Black)
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: Up to 4K@100m (Cat 6/6a/ATEN 2L-29330 Cat 6A) 1080P@150m (Cat 6/6a/ATEN 2L-29330 Cat 6A) with Long Reach Mode enabled Dual-view: Up to 1080p@100m (Cat 6/6a/ATEN 2L-29330 Cat 6A) *4K supported: 4096 x 2160 @ 60Hz (4:2:0), 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)	Single view: Up to 4K@100m (Cat 6/6a/ATEN 2L-29330 Cat 6A) 1080P@150m (Cat 6/6a/ATEN 2L-29330 Cat 6A with Long Reach Mode enabled) Dual-view: Up to 1080p@100m (Cat 6/6a/ATEN 2L-29330 Cat 6A) *4K supported: 4096 x 2160 @ 60Hz (4:2:0), 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
Power Consumption	DC12V:5.98W:28BTU/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.	DC12V:10.32W:57BTU/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	0–40°C
Storage Temperature	-20–60°C	-20–60°C
Humidity	0–80% RH, Non-condensing	0–80% RH, Non-condensing
Physical Properties		
Housing	Metal	Metal
Weight	0.79 kg (1.74 lb)	0.82 kg (1.81 lb)
Dimensions (L x W x H)	17.42 x 15.59 x 2.88 cm (6.86 x 6.14 x 1.13 in.)	17.42 x 15.59 x 2.88 cm (6.86 x 6.14 x 1.13 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.	

Diagram

