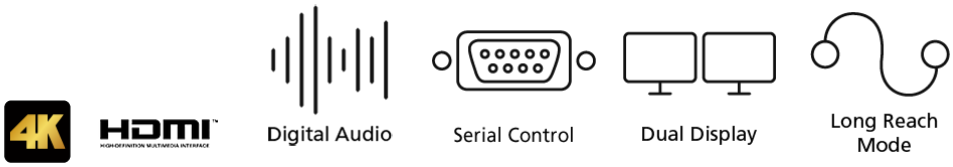
Simply Better Connections

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 forapplications 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

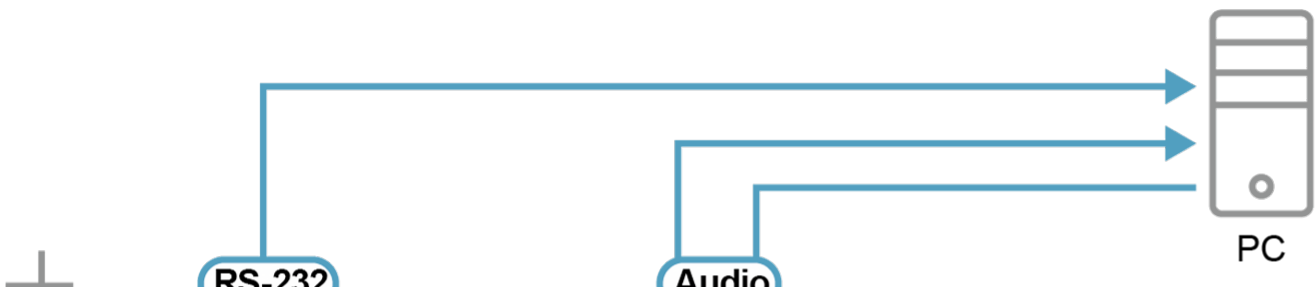
- Allows HDMI dual view access to a distant computer for KVM control from remote console
- Transmits uncompressed HDMI video / stereo audio / USB / RS-232 signals via one single Cat 6 / 6A / ATEN 2L-29330 cable over long distances:
  – Standard mode supports single view at up to 4K or dual-view up to 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

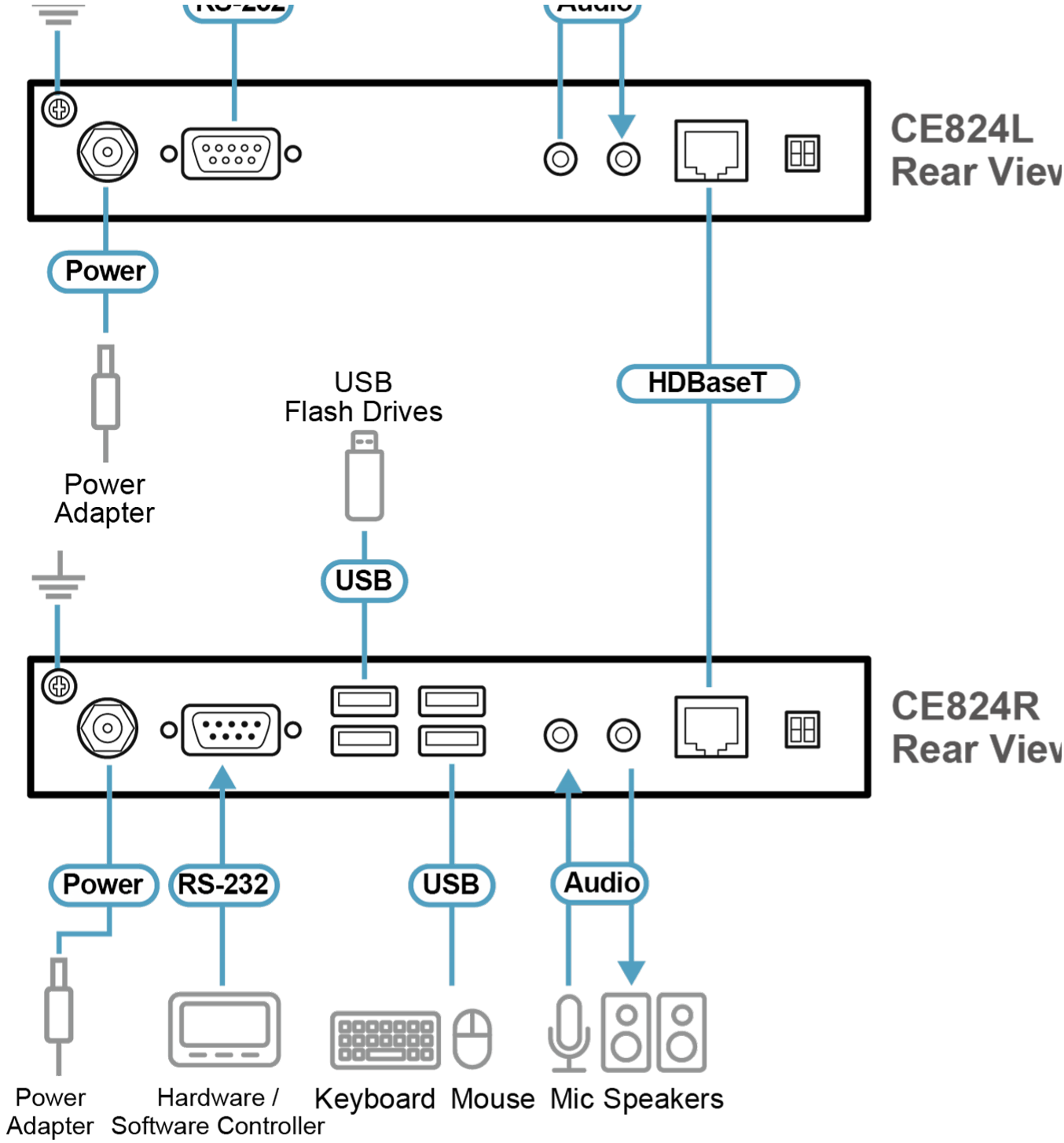
  Note: 1080p @ 150 m can only be achieved via single display installation.

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





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