

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



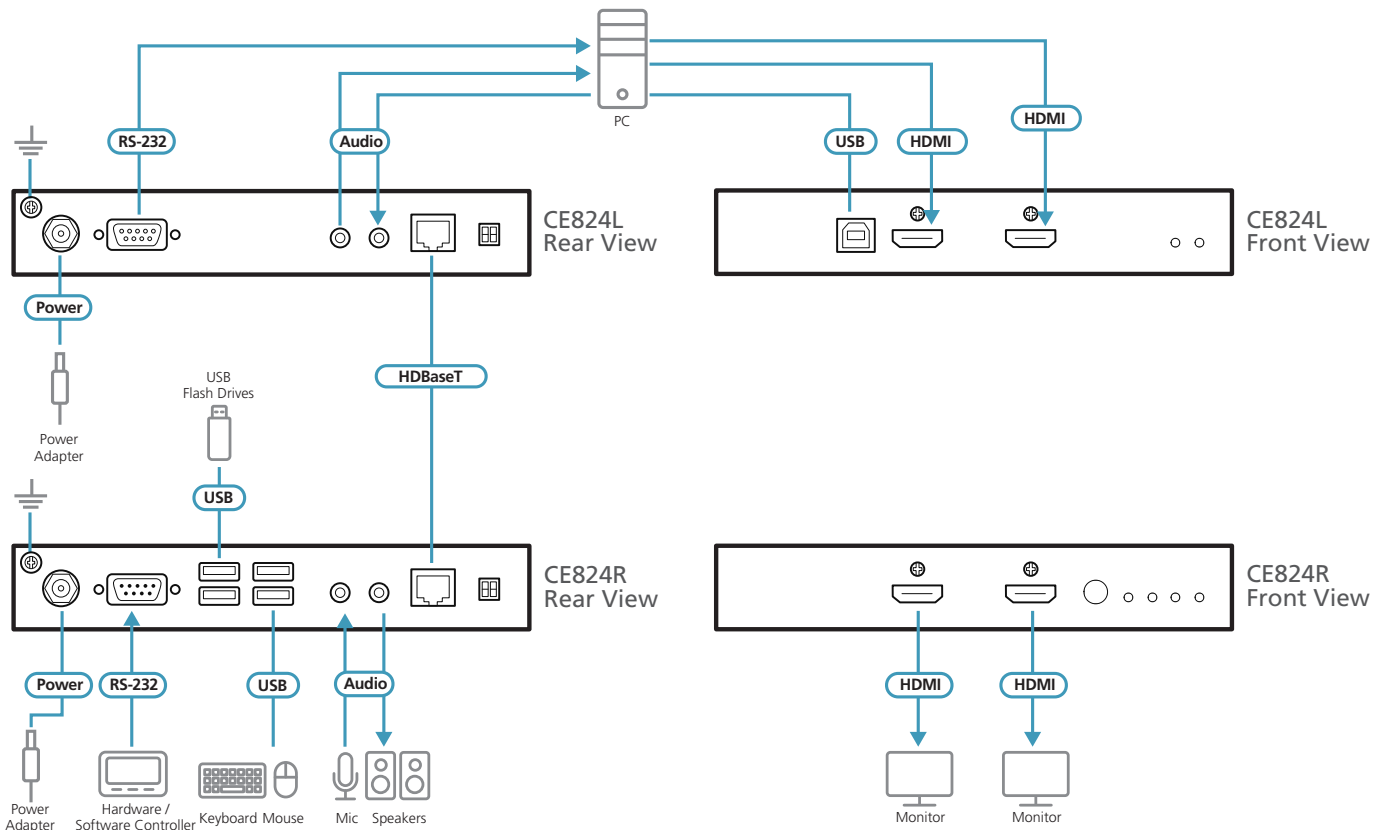
CE824L

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) 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) 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: Up to 4K @ 100 m (Cat 6/6A/ATEN 2L-29330 Cat 6A) 1080p @ 150 m (Cat 6/6A/ATEN 2L-29330 Cat 6A) with Long Reach Mode enabled Dual-view: Up to 1080p @ 100 m (Cat 6/6A/ATEN 2L-29330 Cat 6A) *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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