

## CE820

USB HDMI HDBaseT™ 2.0 KVM Extender (4K@100 m)



The ATEN CE820 USB HDMI [HDBaseT™ 2.0 KVM Extender](#) integrates the latest [HDBaseT™ 2.0](#) technologies to deliver 4K HDMI video, stereo audio, USB, Ethernet, and RS-232 signals up to 100 meters using single Cat6 / [2L-2910](#) Cat 6 cable. The [HDBaseT™ 2.0](#) guarantees the most reliable transmission on the market as well as enables the long-reach capability that extends full HD 1080P signals up to 150 meters. With an easy cable installation supporting various signals, the CE820 is ideal for applications where convenient [remote access](#) is required – such as transportation control centers, medical facilities, industrial warehouses, and extended workstations.



### Features

- Supports [HDBaseT™ 2.0](#) technology
- Extends video, audio, USB, RS-232, and Ethernet signals via a single Cat6 / 6a cable / [2L-2910](#) Cat 6 cable
- Enhanced bit error detection and correction to resist signal interference during high-quality video transmissions
- Status detection and LED indication for [HDBaseT™](#) signal transmission on remote unit
- EDID Buffer for smooth power-up and the highest quality display
- HDMI (3D, Deep Color, 1080P, 4K); [HDCP](#) 2.2 Compatible
- Long distance with superior video quality
  - [HDBaseT™](#) Standard mode up to 4K @ 100 m (Cat 6 / 6a / [2L-2910](#))
  - [HDBaseT™](#) Long-Reach mode up to 1080P @ 150 m
- Long Reach mode switch – switches between [HDBaseT™](#) Standard and Long Reach modes in a snap
- Supports individual 2-channel stereo audio and USB 2.0 full speed ports
- Supports PC wakeup function via single pushbutton
- Built-in 8KV / 15KV ESD protection (Contact voltage 8KV; Air voltage 15KV)

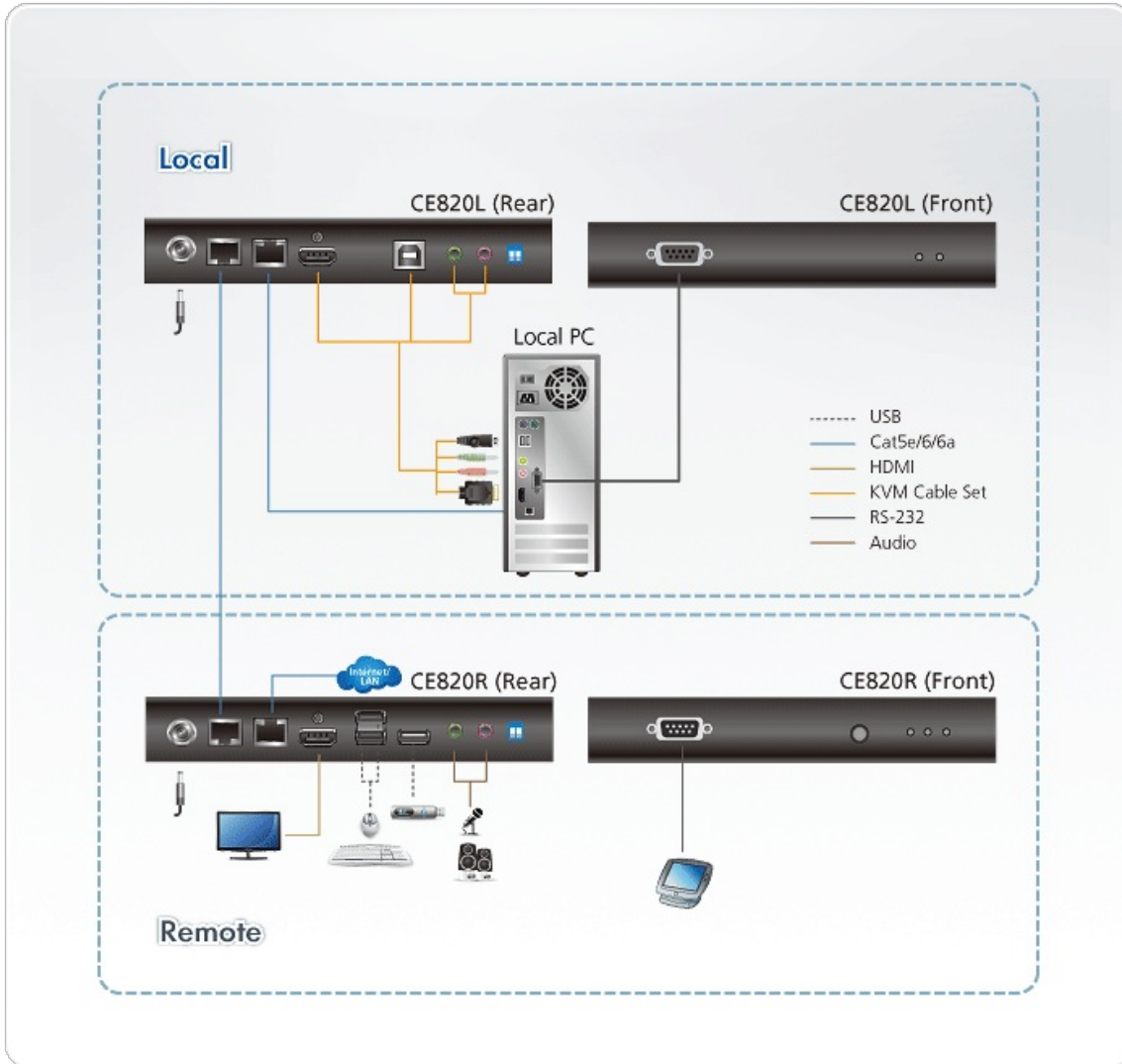
### Specifications

Function	CE820L	CE820R
Connectors		
Console Ports	N/A	1 x HDMI Female (Black) 3 x USB Type A Female 1 x Mini Stereo Jack Female (Green)

		1 x Mini Stereo Jack Female (Pink) 1 x RJ-45 Female (Black)
KVM Ports	1 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) 1 x RJ-45 Female (Black)	N/A
RS-232	1 x DB-9 Female (Black)	1 x DB-9 Male (Black)
Power	1 x DC Jack with locking	1 x DC Jack 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	1 (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 Push button
Video	Up to 4K@90m (Cat 5e) / 100m (Cat 6/6a/ATEN 2L-2910 Cat6) 1080P@100m (Cat 5e/6/6a) *4K supported: 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)	Up to 4K@90m (Cat 5e) / 100m (Cat 6/6a/ATEN 2L-2910 Cat6) 1080P@100m (Cat 5e/6/6a) *4K supported: 4096 x 2160 / 3840 x 2160 @ 60Hz (4:2:0); 4096 x 2160 / 3840 x 2160 @ 30Hz (4:4:4)
Power Consumption	DC5V:2.87W:13BTU	DC5V:5.37W:40BTU
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	0.63 kg ( 1.39 lb )	0.65 kg ( 1.43 lb )
Dimensions (L x W x H)	18.20 x 12.19 x 2.87 cm (7.17 x 4.8 x 1.13 in.)	18.20 x 12.19 x 2.87 cm (7.17 x 4.8 x 1.13 in.)

<p>Note</p>	<p>For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.</p>
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Diagram



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