

CE820R

USB HDMI HDBaseT 2.0 KVM Extender (Remote Unit) (4K@100)



The ATEN CE820 USB HDMI HDBaseTTM 2.0 KVM Extender integrates the latest HDBaseTTM 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 <u>HDBaseT™ 2.0</u> 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 <u>CE820</u> is ideal for applications where convenient remote access is required – such as transportation control centers, medical facilities, industrial warehouses, and extended workstations.

* Note: The CE820R-AT supports Ethernet function and the CE820R-ATA does not.



Features

- Supports <u>HDBaseT™ 2.0</u> technology
- Extends video, audio, USB, RS-232, and Ethernet ¹ signals via a single Cat6 / 6a cable / <u>2L-2910</u> Cat 6 cable
 Enhanced bit error detection and correction to resist signal interference during high-quality video transmissions
- Status detection and LED indication for <u>HDBaseT™</u> signal transmission on remote unit
- Status detection and LED indication for Indicases I signal train
 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)
 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)

Note: 1. The CE820-AT supports Ethernet function, and the CE820-ATA does not.

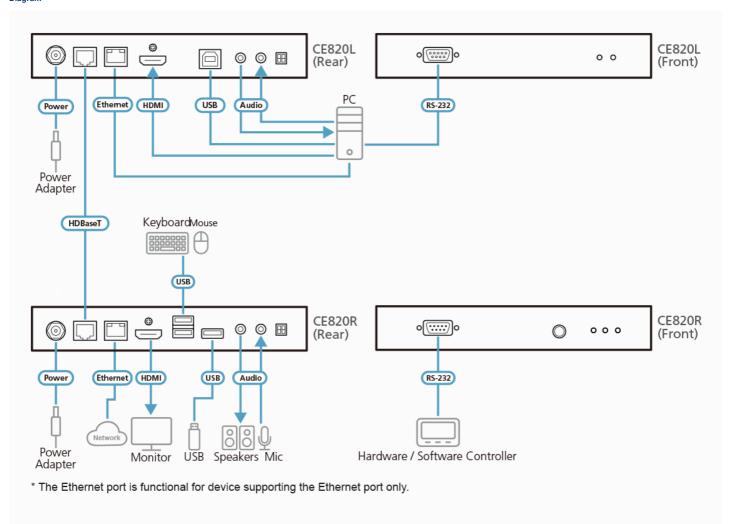


Specifications

Connectors	
Console Ports	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) Note: The RJ-45 ports is functional for device supporting the Ethernet port
KVM Ports	N/A
RS-232	1 x DB-9 Male (Black)
Power	1 x DC Jack with locking
Unit To Unit	1 x RJ-45 Female (Black)
LEDs	
Power	1 (Green)
Link	1 (Orange)
Video Output	1 (Orange)
Switches	
Long Reach Mode Switch	1 x Slide Switch
Firmware Upgrade	1 x Slide Switch
Pushbuttons	
Wakeup button	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)
Power Consumption	DC5V:5.37W:40BTU/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
Storage Temperature	-20-60°C
Humidity	0–80% RH, Non-condensing
Physical Properties	
Housing	Metal
Weight	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.)
Note	The CE820R-AT supports Ethernet function and the CE820R-ATA does not.
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.



Diagram



ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan Phone: 886-2-8692-6789 Fax: 886-2-8692-6767

www.aten.com E-mail: marketing@aten.com



© Copyright 2015 ATEN® International Co., Ltd.
ATEN and the ATEN logo are trademarks of ATEN International Co., Ltd.
All rights reserved. All other trademarks are the property of their
respective owners.