

CE920

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



The ATEN CE920 USB DisplayPort HDBaseTTM 2.0 KVM Extender integrates the latest HDBaseTTM 2.0 technologies to deliver 4K video, stereo audio, USB, Ethernet*, and RS-232 signals up to 100 meters using a 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 CE920 is ideal for applications where convenient remote access is required – such as transportation control centers, medical facilities, industrial warehouses, and extended workstations.

Note: The CE920-AT supports Ethernet function and the CE920-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 / <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
- EDID Buffer for smooth power-up and the highest quality display
 Long distance with superior video quality

- Long Reach mode switch switches between HDBaseT™ Standard and Long Reach modes in a snap
- USB 2.0 full speed ports ensures fast transmission speeds for peripherals
- HDCP Compatible
 Supports individual 2-channel stereo audio for high-quality audio applications
- Supports PC wakeup function via single pushbutton through RS-232 channel ²
 Built-in 8KV / 15KV ESD protection (Contact voltage 8KV; Air voltage 15KV)

- The CE920-AT supports Ethernet function, and the CE920-ATA does not.
 The computer has to support Wake Up Ring for this function to work.

Specifications

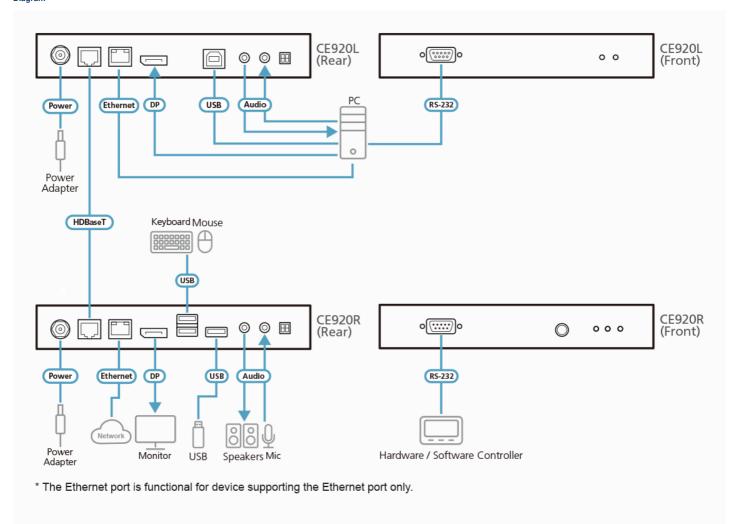
| Function | CE920L | CE920R |
|---------------|--------|--|
| Connectors | | |
| Console Ports | N/A | 1 x DisplayPort Female (Black) 3 x USB Type A Female 1 x Mini Stereo Jack Female (Green) 1 x Mini Stereo Jack Female (Pink) 1 x RJ-45 Female (Black) |
| | | 1 x RJ-45 Female (Black) Note: The RJ-45 ports is functional for device supporting the Ethernet port |



| KVM Ports | 1 x DisplayPort 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 | |
|---------------------------|--|--|--|
| | Note: The RJ-45 ports is functional for device supporting the Ethernet port | | |
| 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 | | 1 | |
| 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 @ 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 @ 30Hz (4:4:4) | |
| Power Consumption | DC5V:3.99W:19BTU 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. | DC5V:6.74W:47BTU 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 | 0.63 kg (1.39 lb) | 0.64 kg (1.41 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.) | |
| Note | DisplayPort v1.1 supports up to 4Kx2K @ 30Hz. | DisplayPort v1.1 supports up to 4Kx2K @ 30Hz. | |
| | The CE920-AT supports Ethernet function and the CE920-ATA does not. | The CE920-AT supports Ethernet function and the CE920-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



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