USB True 4K HDMI Cat 6 KVM Extender (4K @ 70 m / FHD @ 100 m)

CE801

CE801 is an extender kit that allows for sharp, life-like True 4K (3840 x 2160 @ 60 Hz 4:4:4) HDMI, RS-232, and USB transmission across 70 m over one single Cat 6 cable. Dual console USB Keyboard / Mouse operation is enabled by the USB control mode pushbutton switching USB console control privilege between the remote and local units. RS-232 extension capability facilitates uninterrupted communication between serial-interfaced devices and equipment, which are crucial in industrial control systems.

CE801 is ideal for medium to large scale applications where incredibly sharp and detailed visualization, multi-signal extension, and privileged USB control via local / remote console are essential, including control centers, retail shops, factories, medical facilities, and home theaters.

| A/V In HDMI | A/V Out HDMI | Console USB | RS-232 Channel | HDCP 2.3 | Rack Mountable | Long Reach Mode | Dual Console with Privileged Control |

CE801L

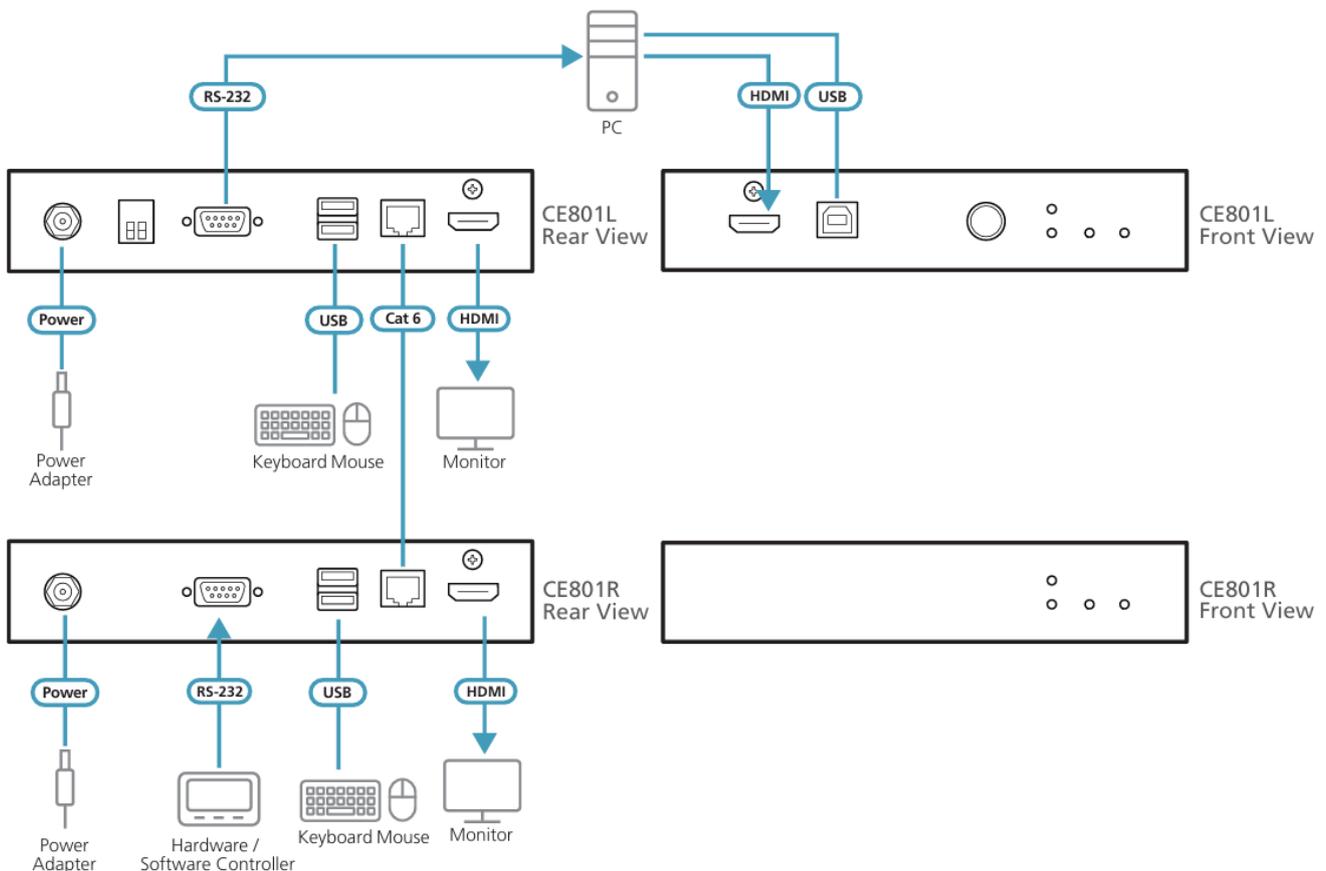CE801R

Front View

CE801L

CE801R

Rear View

CE801L

CE801R

Features

- Extends HDMI video, USB keyboard/mouse control, embedded audio, and RS-232 control signals across 70 m over a Cat 6 cable
- Long reach mode – 1080p extension up to 100 m
- Supports resolutions up to 3840 x 2160 @ 60 Hz (4:4:4) with HDCP 2.2 / 2.3 compliance
- Dual console USB keyboard / mouse operation - control privilege between the remote and local units switchable via USB control mode pushbutton
- Supports HDR 10 for enhanced video quality
- Supports wide screen format
- Supports digital audio formats such as 7.1ch Dolby and DTS audio
- Plug-and-play with no software or driver required
- Built-in 8KV/15KV ESD protection
- Rack-mountable
- DC Jack with screw-lock ensures stable and secure connection

Specifications

	CE801L	CE801R
Connectors		
Console Ports	1 x HDMI Female (Black) 2 x USB Type A Female (White)* * For Keyboard & Mouse only	
KVM Ports	1 x HDMI (Female, Black) 1 x USB Type B (Female, White)	N/A
RS-232	DB-9 Female (Black)	DB-9 Male (Black)
Power	1 x DC Jack (Black)	
Unit To Unit	1 x RJ-45 Female (Black)	
Video		
Compliance	HDMI (4K/60Hz); 4K HDR HDCP2.3 Compatible	
Max. Resolution	Up to 3840 x 2160 @ 60 Hz (4:4:4)	
Max. Resolutions / Distance	4K x 2K @ 60Hz (4:4:4) up to 70m (Cat 6/6a /ATEN 2L-29330 Cat 6a cable) 1920 x 1080 @ 60Hz (4:4:4) up to 100m (Cat 6/6a/ATEN 2L-29330 Cat 6a cable with Long reach mode enabled)	
LEDs		
Power	1 (Green)	1 (Green)
Link	1 (Orange)	1 (Orange)
Video	N/A	1 (Orange)
Console Status	2 (Orange)	1 (Orange)
Switches		
DIP	1 x 2 pin	N/A
Pushbuttons		
Operating Mode Selection	1 x Pushbutton	N/A
Power Consumption	DC5V:2.59W	DC5V:1.88W
Environmental		
Operating Temperature	0 – 40°C	
Storage Temperature	-20 – 60°C	
Humidity	0 – 80% RH, Non-condensing	
Physical Properties		
Housing	Metal	
Weight	0.32 kg	0.31 kg
Dimensions (L x W x H)	12.80 x 8.21 x 2.50 cm	12.80 x 8.15 x 2.50 cm