

CE680 / CE690

DVI Optical KVM Extender / Long Distance DVI Optical KVM Extender

- The CE680/CE690 is a DVI Optical KVM Extender that overcomes length restrictions of standard DVI cables by using fiber optics to send high definition audio, video and control signals over longer distances. The CE680/CE690 can transmit KVM DVI signals very long distances –up to 600 m for CE680; up to 20 km for CE690 away from the source. The extender takes audio/video streams from the local source and serializes the data to pass it over a single 3.125 Gbps optical link, for resolutions up to 1920 x 1200 @ 60Hz, 24-bits, with picture perfect quality.

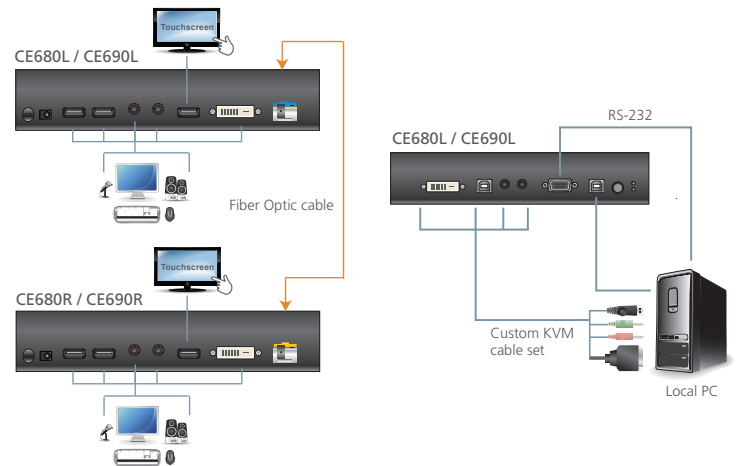
In addition to extending keyboard and mouse control, the CE680/CE690 also transfers RS-232 signals (up to 115 kbps) and USB signals in both directions, with ports for both, allowing you to connect serial devices, such as barcode scanners; or USB devices such as touchscreens, which can provide access to a computer connected at the local site - up to 600 m for CE680; up to 20 km for CE690.

The CE680/CE690 allows access to a computer from both the local and remote consoles (USB keyboard, monitor, and mouse). Furthermore, the CE680/CE690 takes advantage of the newest fiber optic cable technology to connect the local and remote units; providing easy installation and a very long extension of KVM DVI signals.



Features

- Allows access to a computer or KVM installation from a local / remote console
- Supports DVI-D interface and allows transmission of DVI single-link signals
- Superior video quality of up to 1920 x 1200 @ 60 Hz (24-bits) –get an excellent, crisp image on your screen over long distance transmissions (up to 600 m for CE680; up to 20 km for CE690)
- Touchscreen support - connect a generic touchscreen, including devices up to 10-point multi-touch, to accommodate highly interactive applications (no extra drivers needed)**
- Dual console operation—control your system from both the local and remote USB keyboard, monitor, and mouse consoles
- Uses one fiber optic cable to connect the local and remote units**
- HDCP compatible
- RS-232 serial port—connect to a serial terminal, or serial devices such as barcode scanners (Baud Rate 115200 bps)
- PC Wakeup support—use a pushbutton on a Remote Unit to wake a PC at the local site via RS-232
- Audio Enabled—supports stereo speakers and microphone
- Rack mountable



Specification

Function		CE680L/CE690L	CE680R/CE690R	
Connectors	KVM Ports	Video	1 x DVI-D Female (White)	N/A
		Speaker	1 x Mini Stereo Jack Female (Green)	N/A
		Mic.	1 x Mini Stereo Jack Female (Pink)	N/A
		USB (KB / Mouse)	1 x USB Type B Female (White)	N/A
		USB (Touch Panel)	1 x USB Type B Female (White)	N/A
	Console Port	Keyboard	1 x USB Type A Female (White)	
Video		1 x DVI-D Female (White)		
Mouse		1 x USB Type A Female (White)		
Speaker		1 x Mini Stereo Jack Female (Green)		
Mic.		1 x Mini Stereo Jack Female (Pink)		
USB (Touch Panel)		1 x USB Type A Female (White)		
RS-232		1 x DB-9 Female (Black)	1 x DB-9 Male (Black)	
Power		1 x DC Jack (Black)		
Optical In/Out		1 x bi-directional SFP (LC) *		
LEDs	Local	1 (Green)	N/A	
	Remote	1 (Green)	1 (Green)	
	Link	N/A	1 (Green)	
Switches	Operation Mode Selection	1 x Pushbutton		
	Wakeup PC	N/A	1 x Pushbutton	
Fiber Optics	Operating Distance**	600m(CE680) / 20km(CE690) with (SM) fiber		
	Wavelength	1310/1550 nm for SM		
	Data rate	Single fiber: 3.125G bps		
Power Consumption		DC5.3V, 10.2W	DC5.3V, 9.0W	
Environment	Operating Temperature	0–50°C		
	Storage Temperature	–20–60°C		
	Humidity	0-80% RH, Non-condensing		
Physical Properties	Housing	Metal		
	Weight	1.10 kg	1.08 kg	
	Dimensions (LxWxH)	21.50 x 16.29 x 4.18 cm	21.50 x 16.29 x 4.18 cm	

Note: * The optical fiber modules are color-coded accordingly:

- CE680L Blue
- CE680R Yellow
- CE690L Purple
- CE690R White

- Operating distance is approximate. A typical maximum distance may vary depending on factors such as fiber type, bandwidth, connector splicing, losses, modal or chromatic dispersion, environmental factors, and kinks.
- It is recommended that you use a Single Mode optical fiber cable that conforms to IEC 60793-2-50 B1.1 or ITU-T G.652.B specifications.

