

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.

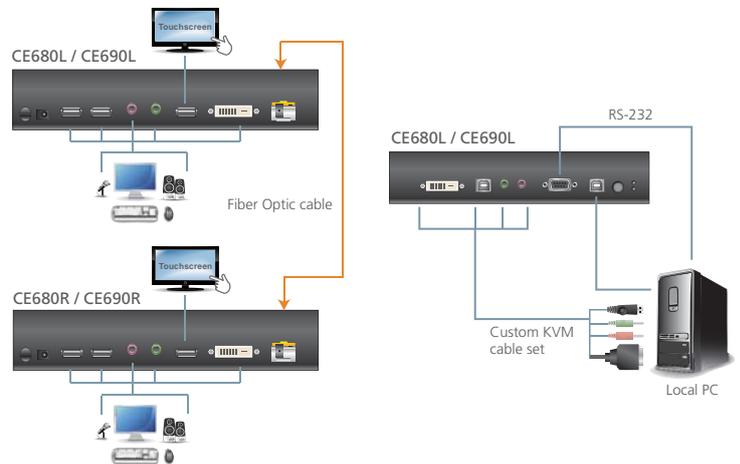
In addition to extending keyboard and mouse control, the CE680/CE690 also transfers RS-232 signals (up to 115 kbps) and USB signals in both directions, with ports for both, allowing you to connect serial devices, such as barcode scanners; or USB devices such as touchscreens, which can provide access 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. (USB (Touch Panel))	1 x Mini Stereo Jack Female (Pink)	
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: 1. 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.
2. 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.

