CE680 / CE690

DVI Optical KVM Extender / Long Distance DVI Optical KVM Extender

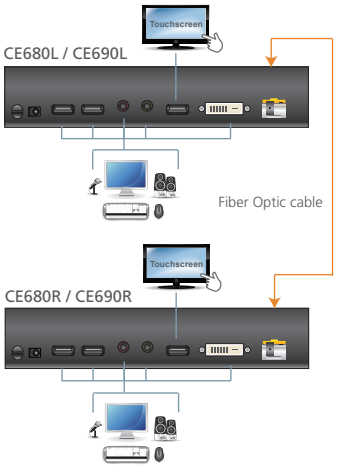
The CE680 / CE690 is a DVI Optical KVM Extender that overcomes the length restriction of standard DVI cables by using optical fiber to send high definition audio, video and control signals over long distance. It accepts audio-video stream from a local source and serializes the data to pass over a single 3.125 Gbps optical link (for resolutions up to 1920x1200@60Hz, 24-bits).

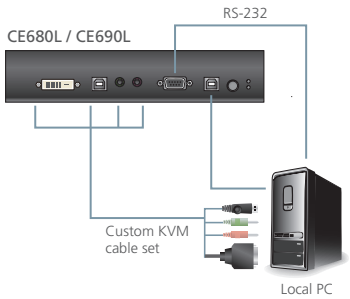
It can also extend the keyboard/mouse remote control signals, as well as transfer RS-232 signals (up to 115kbps) in both directions, allowing you to connect serial devices, such as barcode scanners. A USB port on the local and remote unit's rear panel lets you connect a USB touchscreen panel device, which can access to a computer connected at the local site.

The CE680 / CE690 allows access to a computer system from both local and remote consoles (USB keyboard, monitor, and mouse). Furthermore, the CE680 / CE690 takes advantage of fiber optic cable technology for connecting the local and remote units, providing easy and quick installation and long-range extension of 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 (L×W×H)		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.

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