

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.

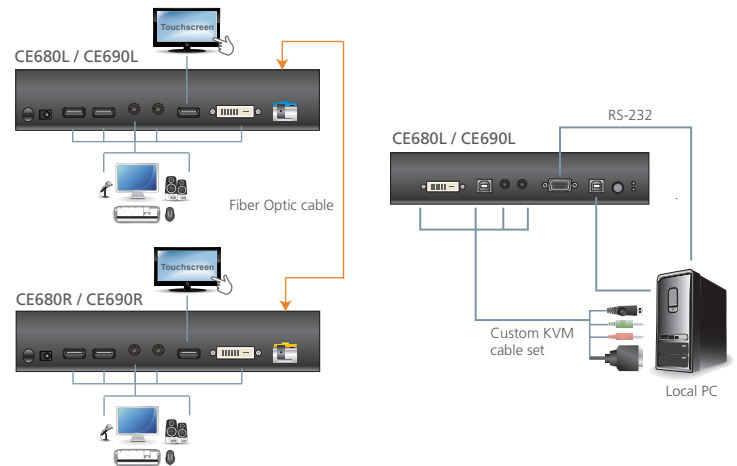
In addition to extending keyboard and mouse control, the CE680/CE690 also transfers RS-232 signals (up to 115 kbps) and USB signals in both directions, with ports for both, allowing you to connect serial devices, such as barcode scanners; or USB devices such as touchscreens, which can provide access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

