

## CE790

USB VGA Over IP KVM Extender (1920 x 1080@Unlimited Distance)



The CE790 is a IP based KVM Extender with automatic cable detection (Auto-MDIX) and RS-232 serial functionality that allows access to a computer system from a remote USB console (USB keyboard, monitor, and USB mouse) anywhere on the intranet.

The CE790 improves on previous designs by: 1) the addition of an intuitive On Screen Display (OSD) on both the transmitter and receiver units for easy setup and operation; 2) working over a standard TCP/IP LAN via inexpensive Cat 5e cable, allowing point-to-point, point-to-multipoint, and multipoint-to-multipoint administration without the need for an additional KVM switch; and 3) the addition of an RS-232 port, on both the transmitter and receiver Units - to connect to a serial terminal for configuration, and serial devices such as touchscreens and barcode scanners.

\* The CE790 can be installed in point to point, point to multipoint and multipoint to multipoint configurations. Multipoint configurations require a separate purchase - contact your dealer for details.

\* In multipoint configurations, the IGMP (Internet Group Management Protocol) function of your network switches/hubs should be enabled to avoid deterioration of data throughput. If you do not know how to enable IGMP, please contact your network administrator.

### Features

- Remotely access computers on your KVM installation via intranet
- Dual console operation - control your system from both the transmitter and receiver USB consoles
- OSD (On Screen Display) on both the transmitter and receiver units
- Supports GUI operation\*
- No software required - an HTTP server is embedded in both units
- Built-in ASIC for greater reliability and compatibility
- USB Keyboard and USB Mouse Ports
- RS-232 serial ports\*\* - allows you to connect to a serial terminal for configuration, or serial devices such as touchscreens and barcode scanners
- Audio enabled
- USB overcurrent detection and prevention
- High resolution video - up to 1920 x 1080
- Supports widescreen formats
- Ultra-High quality video mode
- Hot pluggable
- Rack mountable
- Firmware upgradable
- Auto-MDIX - automatically detects cable type

Note:

\* The CE790 AP and GUI operation instructions can be downloaded from the ATEN website ([www.aten.com](http://www.aten.com)).

\*\* RS-232 serial ports support Tx/Rx signals only.

### Specification

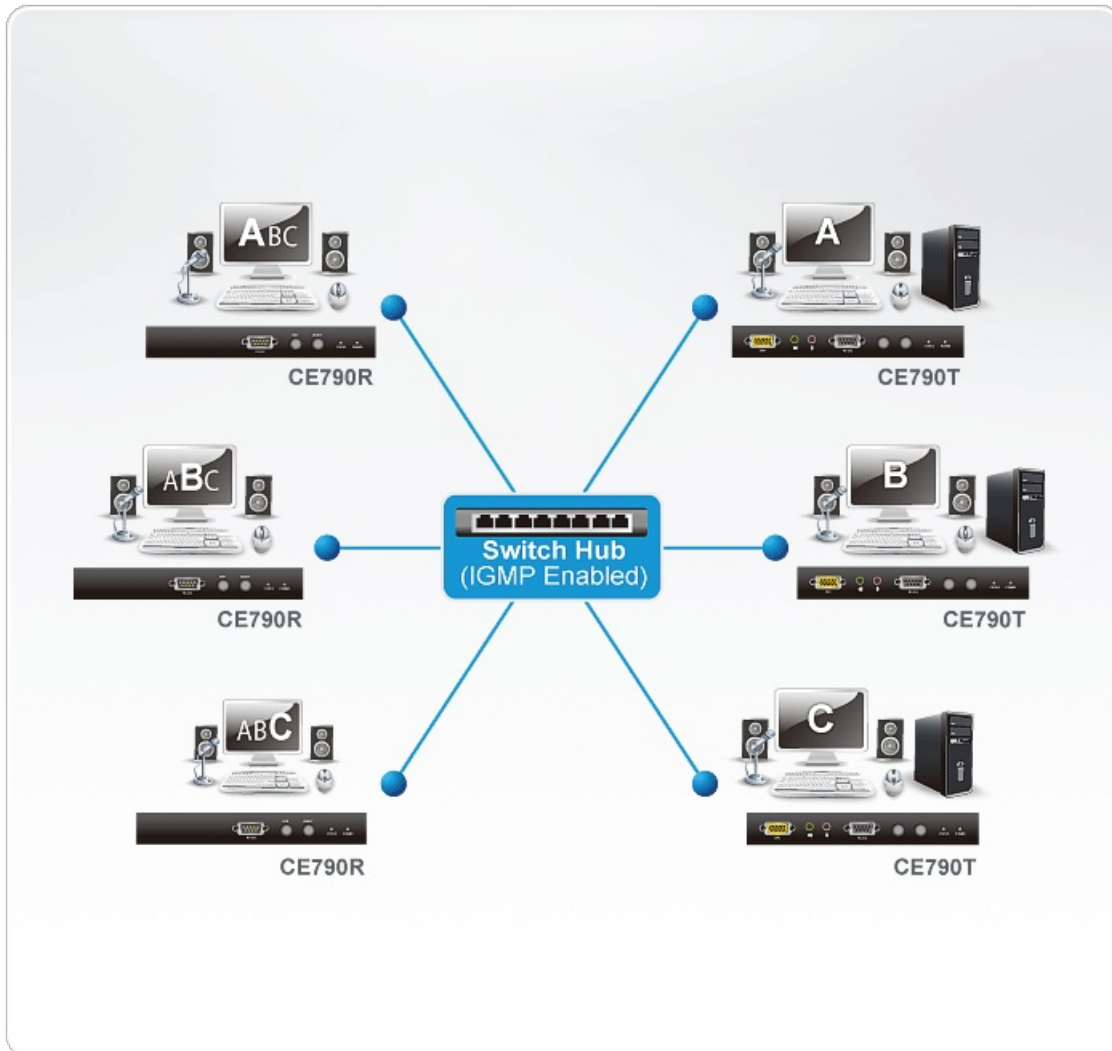
| Function | CE790R | CE790T |
|----------|--------|--------|
|----------|--------|--------|

| Connectors             |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                     |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Console Ports          | 2 x USB Type A Female (White)<br>1 x HDB-15 Female (Blue)<br>1 x Mini Stereo Jack Female (Green)<br>1 x Mini Stereo Jack Female (Pink)                                                                                                               | 2 x USB Type A Female (White)<br>1 x HDB-15 Female (Blue)<br>1 x Mini Stereo Jack Female (Green)<br>1 x Mini Stereo Jack Female (Pink)                                                                                                              |
| KVM Ports              | N/A                                                                                                                                                                                                                                                  | 1 x SPHD-17 Female (Yellow)<br>1 x Mini Stereo Jack (Green)<br>1 x Mini Stereo Jack (Pink)                                                                                                                                                          |
| RS-232                 | 1 x DB-9 Male (Black)                                                                                                                                                                                                                                | 1 x DB-9 Female (Black)                                                                                                                                                                                                                             |
| Power                  | 1 x DC Jack (Black)                                                                                                                                                                                                                                  | 1 x DC Jack (Black)                                                                                                                                                                                                                                 |
| LAN Ports              | 1 x RJ-45 Female (Black)                                                                                                                                                                                                                             | 1 x RJ-45 Female (Black)                                                                                                                                                                                                                            |
| Pushbuttons            |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                     |
| OSD                    | 1 x Pushbutton                                                                                                                                                                                                                                       | 1 x Pushbutton                                                                                                                                                                                                                                      |
| Select                 | 1 x Pushbutton                                                                                                                                                                                                                                       | 1 x Pushbutton                                                                                                                                                                                                                                      |
| LEDs                   |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                     |
| Status                 | 1 (Green / Orange)                                                                                                                                                                                                                                   | 1 (Green / Orange)                                                                                                                                                                                                                                  |
| Power                  | 1 (Green / Red)                                                                                                                                                                                                                                      | 1 (Green / Red)                                                                                                                                                                                                                                     |
| Emulation              |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                     |
| Keyboard / Mouse       | USB                                                                                                                                                                                                                                                  | USB                                                                                                                                                                                                                                                 |
| Power Consumption      | DC5.3V:6.86W:36BTU/h<br><br>Note:<br>● The measurement in Watts indicates the typical power consumption of the device with no external loading.<br>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded. | DC5.3V7.49W:39BTU/h<br><br>Note:<br>● The measurement in Watts indicates the typical power consumption of the device with no external loading.<br>● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded. |
| Video                  | Up to 1920 x 1080                                                                                                                                                                                                                                    | Up to 1920 x 1080                                                                                                                                                                                                                                   |
| Environmental          |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                     |
| Operating Temperature  | 0 - 50°C                                                                                                                                                                                                                                             | 0 - 50°C                                                                                                                                                                                                                                            |
| Storage Temperature    | -20 - 60°C                                                                                                                                                                                                                                           | -20 - 60°C                                                                                                                                                                                                                                          |
| Humidity               | 0-80% RH, Non-condensing                                                                                                                                                                                                                             | 0-80% RH, Non-condensing                                                                                                                                                                                                                            |
| Physical Properties    |                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                     |
| Housing                | Metal                                                                                                                                                                                                                                                | Metal                                                                                                                                                                                                                                               |
| Weight                 | 0.50 kg                                                                                                                                                                                                                                              | 0.50 kg                                                                                                                                                                                                                                             |
| Dimensions (L x W x H) | 20.20 x 8.64 x 2.50 cm                                                                                                                                                                                                                               | 20.20 x 8.64 x 2.50 cm                                                                                                                                                                                                                              |

Note

For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram



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