

## 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

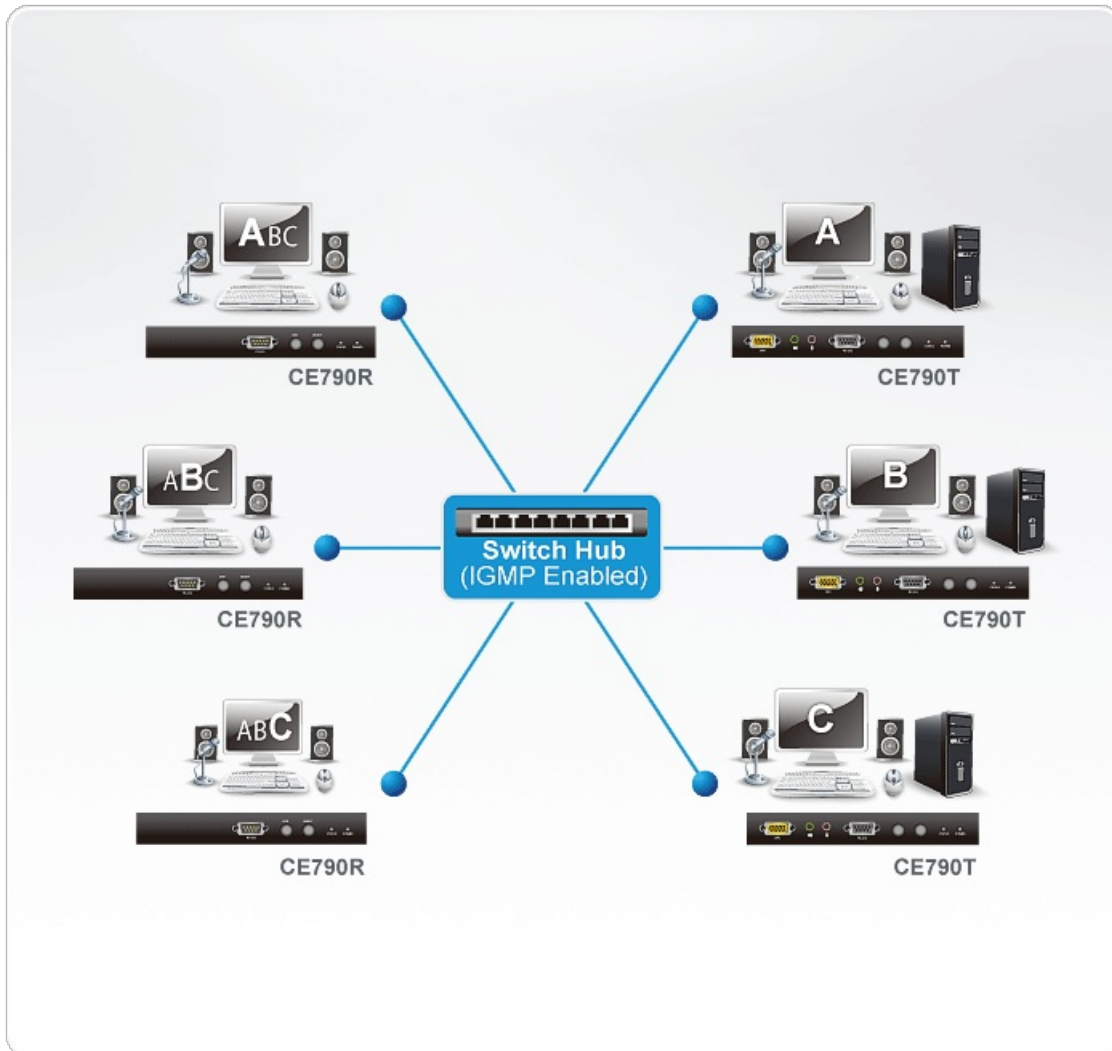
Function	CE790R	CE790T
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Connectors		
Console Ports	2 x USB Type A Female (White) 1 x HDB-15 Female (Blue) 1 x Mini Stereo Jack Female (Green) 1 x Mini Stereo Jack Female (Pink)	2 x USB Type A Female (White) 1 x HDB-15 Female (Blue) 1 x Mini Stereo Jack Female (Green) 1 x Mini Stereo Jack Female (Pink)
KVM Ports	N/A	1 x SPHD-17 Female (Yellow) 1 x Mini Stereo Jack (Green) 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  Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.	DC5.3V7.49W:39BTU/h  Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● 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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