

CE700A

USB VGA Cat 5 KVM Extender (1280 x 1024@150m)



The CE700A is a USB [KVM Extender](#) with superior video quality and built-in ESD and surge protection that allows access to a computer system up to 150 meters away from a remote USB console (USB keyboard, monitor, and USB mouse).

The CE700A improves on previous designs by: 1) incorporating 8KV/15KV ESD protection and 2KV surge protection; 2) providing superior video quality - up to 1920 x 1200 resolution; 3) using inexpensive Cat 5e cable, instead of bulkier, more expensive, standard cables, for a much neater, more convenient, more reliable data transfer connection; 4) it is able to sense the distance to the system and automatically adjusts the gain accordingly; and 5) it features a custom ASIC to ensure the utmost in reliability and compatibility.

Features

- Cat 5e cable connects the Local and Remote Units - up to 150m apart
- Dual console operation - control your system from both the local and remote USB keyboard, monitor, and mouse consoles
- Built-in ASIC for greater reliability and compatibility
- Auto Signal Compensation (ASC)
- USB Keyboard and USB Mouse Ports
- USB overcurrent detection and prevention
- Pushbutton operating mode selection (Local Unit only) - select between Local and Auto operating modes.
- Built-in 8KV/15KV ESD protection (Contact voltage 8KV; Air voltage 15KV) and 2KV surge protection
- Automatic gain control - adjusts signal strength to compensate for distance
- High resolution video - up to 1920 x 1200@60Hz (30m); 1600 x 1200@60Hz (100m); 1280 x 1024@60Hz (150m)
- Supports Wide Screen formats *
- Supports VGA, SVGA, SXGA, UXGA, WUXGA and multisyncmonitors; local monitor supports DDC; DDC2; DDC2B
- Rack mountable Easy to install - no software required - connecting cables to the devices is all it takes
- Multiplatform support - Windows, Linux

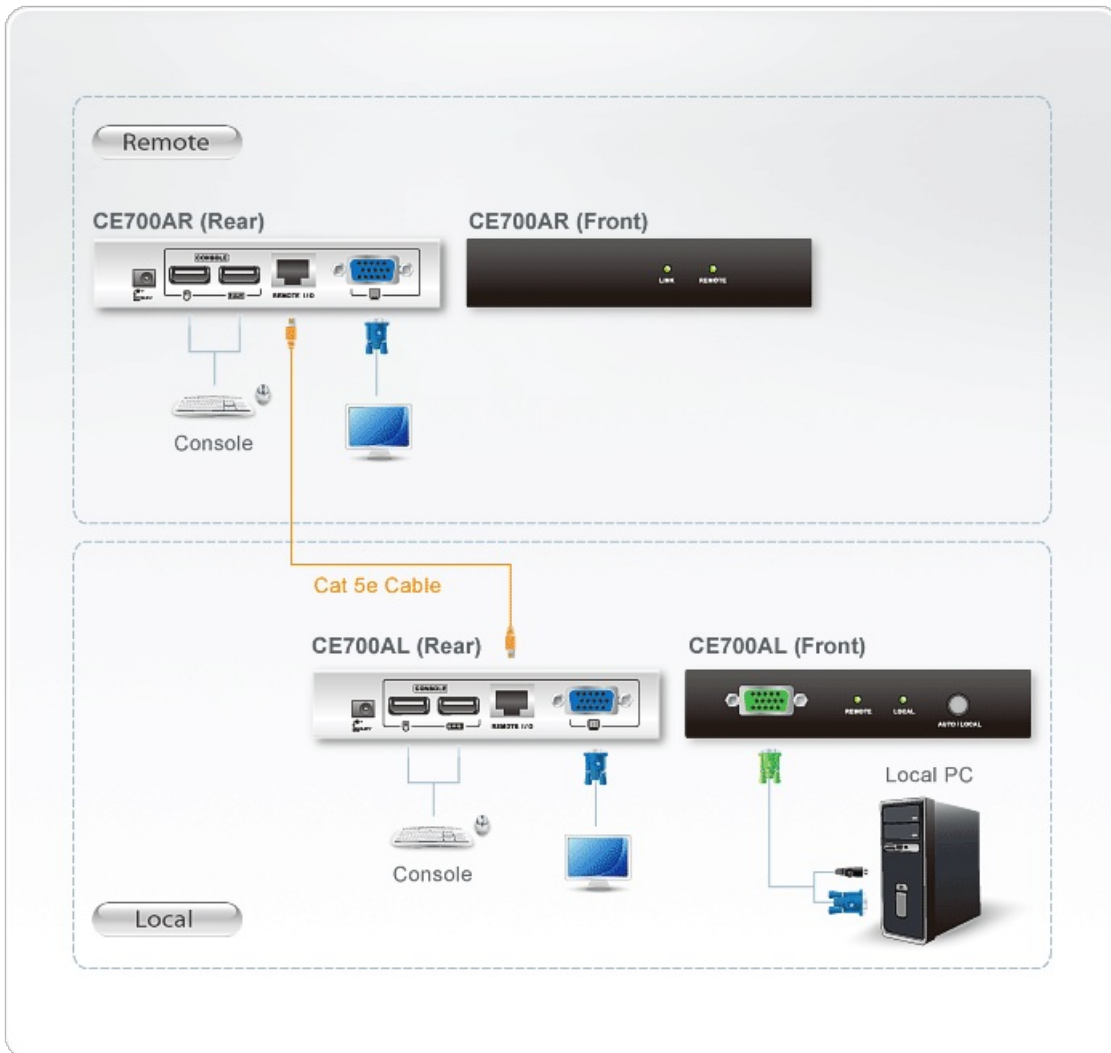
* The [EDID](#) data for a widescreen is sent from the local video output port. For widescreen modes and displays connect the monitor to the local video output port or use an ATEN [EDID](#) emulator.

Specifications

Function	CE700AL	CE700AR
Connectors		
Console Ports	2 x USB Type A Female (White) 1 x HDB-15 Female (Blue)	2 x USB Type A Female (White) 1 x HDB-15 Female (Blue)
KVM Ports	1 x SPHD-17 Female (Green)	N/A
Unit To Unit	1 x RJ-45 Female (Black)	1 x RJ-45 Female (Black)

Power	1 x DC Jack (Black)	1 x DC Jack (Black)
Pushbuttons		
Operating Mode Selection	1 x Pushbutton	N/A
LEDs		
Local	1 (Green)	N/A
Remote	1 (Green)	1 (Green)
Link	N/A	1 (Green)
Emulation		
Keyboard / Mouse	USB	USB
Power Consumption	DC5.3V:2.17W:14BTU/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.	DC5.3V:1.59W:12BTU/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	1920 x 1200 @ 60Hz (30m) 1600 x 1200 @ 60Hz (100m) 1280 x 1024 @ 60Hz (150m)	1920 x 1200 @ 60Hz (30m) 1600 x 1200 @ 60Hz (100m) 1280 x 1024 @ 60Hz (150m)
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	0.33 kg (0.73 lb)	0.32 kg (0.7 lb)
Dimensions (L x W x H)	12.70 x 8.65 x 2.50 cm (5 x 3.41 x 0.98 in.)	12.70 x 8.14 x 2.50 cm (5 x 3.2 x 0.98 in.)
Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.	

Diagram



ATEN International Co., Ltd.

3F., No.125, Sec. 2, Datong Rd., Sijhih District., New Taipei City 221, Taiwan
Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
www.aten.com E-mail: marketing@aten.com



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