

## K5EXT300

### 300m Extender over Cat5 Cable for Keyboard, Mouse, VGA, RS232, Audio and Microphone

- **USB and PS/2 Keyboard and Mouse Support**
- **OSD Menu-Driven Control**
- **Firmware in Flash with Fast Upgrade**



K5LC



K5CMLC

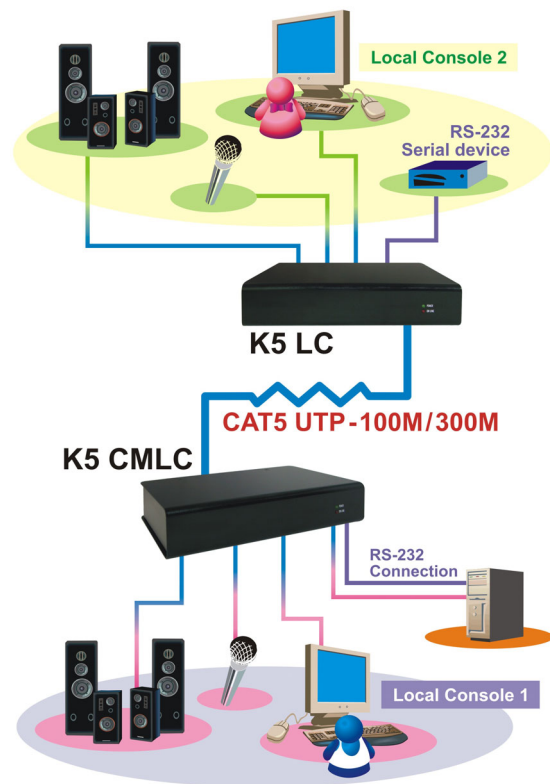
**Receiver and Transceiver Units:** K5EXT300 comprises **K5LC**, the remote local console and **K5CMLC**, the computer module with local console attached to the computer. K5CMLC communicates with K5LC and provides a local console port so that users can still access their computer normally, in addition to the remote end on K5LC.

**Applications:** K5EXT300 is especially useful for setting up a flexible computer/user topology over a long distance. Applicable for an exhibition room, working floors, security room, locked server room, or any other mission-critical scenarios, K5EXT300 allows you to locate your computers or servers physically far back from the user due to security or spatial concerns.

**Metal case for robust performance:** K5EXT300 is manufactured with a sturdy metal case for robust and reliable usage over years. It can support any industrial environment.

**Menu Driven Settings:** The deployment is just as simple as it can be. All settings are done by OSD menu and are kept into an EEPROM. There is no archaic mechanical knob or dial.


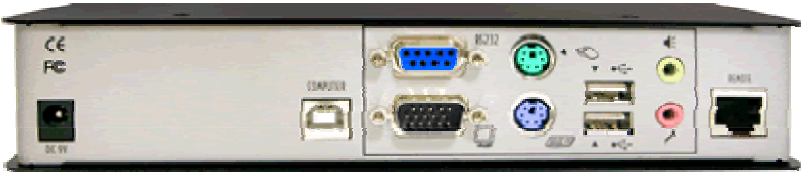
**Firmware Upgrade:** The firmware in Flash memory can be upgraded to enhance the compatibility or the functionalities whenever Prosum provides a new version. The upgrade is made via the USB technical port of K5LC by using a software utility running on Windows. K5LC and K5CMLC are upgraded simultaneously.



#### Ordering Information

K5LC	Cat5 Extender Local Console Unit (Video Receiver)
K5CMLC	Cat5 Extender Computer Module with Local Console Unit (Video Transmitter)
K5EXT300	K5LC + K5CMLC

**Specifications**

Keyboard and Mouse	USB and PS/2 on both sides; Support of 5-button and wheel mice
Audio output	Analog stereo on local side; Digital mono on remote side Bandwidth: 3.5 kHz; Amplification: Can be set up by OSD menu
Microphone input	Analog on local side; Digital on remote side Adapted to electret microphones; Dynamic microphones need an external preamplifier. Bandwidth: 3.5 kHz; Sensitivity: 10mV to 200mV; Global Gain: 5 (fixed)
Cable for Best Results	Cat5 UTP
Video Settings	Contrast, Cat5 equalization and cable deskewing: By OSD menus on remote side (K5LC) Settings are kept in EEPROM
RS232	Max 57600 bps; Manages RXD and TXD; DTR and DSR; RTS and CTS Settings by OSD menus
Transmitter K5CMLC (Computer Side)	 <p>PC connectors: VGA + PS/2 keyboard and mouse: HDB15 male USB Type B RS232: DSUB 9 fem Audio and Microphone: 2 x 3.5mm</p> <p>Console connectors: Monitor: VGA DSUB15 fem USB keyboard and mouse: 2 x USB type A PS2 keyboard and mouse: 2 x minidin6 Audio and Microphone: 2 x 3.5mm</p> <p>Connection to K5LC: RJ45</p>
Receiver K5LC (Remote Side)	 <p>Console Connectors: Monitor: VGA DSUB fem RS232: DSUB 9 male USB keyboard and mouse: 2 x USB type A PS2 Keyboard and mouse: 2 x minidin6 Audio and Microphone: 2 x 3.5mm sockets</p> <p>Connection to K5CMLC RJ45</p>
VGA Resolution	1600 x 1200 up to 100m, 1280 x 1024 up to 300m
Power Supply	External DC 9V 1A
Operation Temperature	0 to 50°C
Storage Temperature	-20 to 60°C
Humidity	0 to 90%, non-condensing
Housing	Metal
Dimension (L x W x H)	200 x 100 x 44.5 mm (half 1U)
Weight	1000g
Safety / EMI Certification	FCC, CE