

## CAT5 USB KVM Extender

### PX-100/ PX-300

#### Built-in KVM Switching on the Remote Console for More Versatility



Front View of PX-100-RX and PX-100-TX (Silver)/ PX-300-RX and PX-300-TX (Gold)



Rear View of PX-100-TX and PX-100-RX (Silver)/ PX-300-TX and PX-300-RX (Gold)

The PX-100/PX-300 CAT5 USB KVM Extender Set allows KVM extension over an ordinary good quality CAT5 cable up to 100M/ 300M. By utilizing this CAT5 extension technology, users can easily extend the KVM control over such a long distance while still keeping a good signal quality throughout as a result of its easy-to-use video adjustment by intuitive OSD operation. Applicable either over an exhibition room, working floors, security room, locked server room, or other mission-critical scenarios, this CAT5 USB KVM extender set allows you to locate your vital server physically far back from the remote user due to security or spatial concerns. PX-100/ PX-300 supports USB keyboard and mouse both on console side and computer side. Besides it is firmware upgradable via the USB upgrade port on transmitter and receiver, and thus can be serviced easily with latest functionality or compatibility enhancement.

#### PX-100-TX & PX-100-RX/ PX-300-TX & PX-300-RX for Transmitter Unit and Receiver Unit

The PX-100/ PX-300 CAT5 USB KVM Extender Set comprises a pair of distinct units- The PX-100-TX/ PX-300-TX (Transmitter unit) and the PX-100-RX/ PX-300-RX (Receiver unit). The Transmitter unit is located near the computer, whose KVM control is to be extended 100M/ 300M away to the remote console on the Receiver unit. Both the Transmitter unit and the Receiver unit can each connect a KVM console for user access on both locations.

#### Built-in KVM Switching on the Remote Console for More Versatility

The PX-100-RX/ PX-300-RX also has a built-in KVM switching function that allows user to switch between a near-by computer and the remote computer 100M/ 300M away. The remote user not only can control the far-end computer via the CAT5 extension from 100M/ 300M away, but can also switch to its near-end computer for flexible management on the same console. This KVM switching feature will definitely add value to the CAT5 extension as it will add more convenience and flexibility for the remote users.

## Button/Local Console Hotkeys for Remote Console Access Control

The PX-100-TX/ PX-300-TX (Transmitter Unit) provides both a front-panel button as well keyboard hotkeys that can be issued on the local console to configure the remote console access control for normal mode or view-only mode. These controls are only available on Transmitter unit (the PX-100-TX/ PX-300-TX) and not on the Receiver Unit, which might be located within non-secured area and access should be restricted. With the button and these hotkeys, users can either block or grant access, or toggle on/off the view-only mode on the console of the Receiver Unit. For someone who does need to use different hotkey preceding sequence, it also provides 5 alternatives for choice. Thus, the Local Console (i.e. the TX unit) will have permanent access of the computer without limitation; the Remote Console (i.e. the RX unit) can be enabled with full access or view-only access, or access disabled entirely from the local console

## Fine-Tuning Video Skew Parameters by OSD Menu Operation (PX-300 only)

Since in such a long distance as 300M, the video signals carried on different twisted pairs of the CAT5 cable might vary in their arrival time at the other end of the cable, hence will need considerable skew compensation. For PX-300, the Video skew compensation settings can be done by adjusting very easily on the OSD Menu.

## EDID Transparent/Emulation Support

The PX-100/ PX-300 also supports EDID data emulation modes for selection. Simply by using OSD Menu operation or hotkeys, users can designate the EDID emulation to adopt the EDID data copied from either the local monitor (connected with the Transmitter) or that from the remote monitor (connected with the Receiver)

## Features

- 100M/ 300M CAT5 extension distance
- Built-in KVM Switching feature on the Receiver Unit (PX-100-RX/ PX-300-RX)
- Local / Remote computer selection on Receiver console by a switch button and keyboard hotkeys
- Remote Console Access Mode Selection for ON/OFF/View Only by switch buttons and keyboard hotkeys
- USB connectivity support on console and computer side
- OSD Menu-driven control for easy system configuration
- Keyboard hotkey control for configuration and operation
- Full keyboard and mouse emulation to support Microsoft and Logitech standard 5 key mouse and compatibles.
- DDC/EDID support mode selection for Local / Remote Monitor by OSD and keyboard hotkeys
- Easy plug-and-play to extend your second console up to 100M/ 300M away
- Analog video resolution support up to 1920 x 1200
- Firmware upgradeable via USB interface

## Specifications

Model No.	PX-100 CAT5 KVM Extender Set	PX-300 CAT5 KVM Extender Set
<b>Component Units</b>	1 x PX-100-TX (transmitter w/ a console) 1 x PX-100-RX (receiver w/ a console & built-in KVM switching function)	1 x PX-300-TX (transmitter w/ a console) 1 x PX-300-RX (receiver w/ a console & built-in KVM switching function)
<b>Console Keyboard &amp; mouse support</b>	USB	
<b>Computer connection</b>	USB	
<b>Number of Console</b>	1 x local console (on TX unit) 1 x remote console (on RX unit)	
<b>Max. PC Connections</b>	1 x computer for TX 2 x computer for RX (1 x computer 100M max. away + 1 x computer in proximity)	1 x computer for TX 2 x computer for RX (1 x computer 300M max. away + 1 x computer in proximity)
<b>PX-100-RX Connectors</b>	1 x HDB 15-pin Female (for VGA monitor) 1 x HDB 15-pin Female (for computer- integrated with video, keyboard and mouse) 1 x USB Type B Upgrade port 2 x USB Type A –for keyboard & mouse 1 x RJ45 1 x DC5V power jack	
<b>PX-100-TX Connectors</b>	1 x HDB 15-pin Female (for VGA monitor) 1 x HDB 15-pin Female (for computer- integrated with video, keyboard and mouse) 1 x USB Type B Upgrade port 2 x USB Type A – for keyboard & mouse 1 x RJ45 1 x DC5V power jack	
<b>DDC/EDID Emulation</b>	2 Modes – Local Monitor / Remote Monitor DDC Emulation	
<b>OSD</b>	Yes	
<b>LEDs</b>	[On receiver] 1 x Red – Power 1 x Green – Link 1 x Green– Local (lit – Local computer active) 1 x Green– Remote (lit - Remote computer active -lit) [On transmitter] 1 x Red – Power 1 x Green – Link 1 x Green– Video (lit – Video active for remote console) 1 x Green – Control (lit – Keyboard & mouse control available for remote console)	
<b>Keyboard/Mouse Emulation</b>	USB	
<b>Skew Compensation</b>	No	Yes
<b>Extension Distance</b>	100M	300M
<b>VGA Resolution</b>	1920 x 1200	
<b>Case</b>	Metal	
<b>Power Adapter</b>	DC 5V	
<b>Safety / Emission</b>	FCC, CE	

## Ordering Information

PX-100      CAT5 USB KVM Extender – 100M  
PX-300      CAT5 USB KVM Extender – 300M