

Two (2) PCs Switchable Dual-head DVI Optical KVM Extender, KVMX-100-TR



Descriptions

New Dual-head DVI optical KVM extender, KVMX-100-TR is designed to extend Dual DVI outputs with keyboard, mouse and bi-directional audio. But the key feature of **2:1 KVM switch function** inside KVMX-100-TR enables users to select one PC between two (2) PCs as a host.

KVMX-100-TR transmits DVI, USB HID, RS232 and bidirectional stereo audio signal up to 1.0km (3,280feet) over two (2) duplex LC single-mode fibers or 300m (985feet) over two (2) duplex LC multi-mode fibers.

Designed for high resolution performance, it guarantees lossless image quality and no frame dropping to deliver perfect graphic data transmission up to WUXGA (1,920x1,200) at 60Hz.

It provides Auto-mix EDID programing feature that reads EDID information from both local and remote side displays and then determines the lowest resolution of them. It makes the installation of KVMX-100-TR easy and flexible at any variable resolutions.

Optionally, we could include convenient remote console switch for selecting local control or remote control.

Key Features

- ♦ Switches and Controls Two (2) PCs 2:1 KVM switch function
- Supports two (2) single-link DVI displays up to WUXGA (1,920x1,200) resolution at 60Hz.
- Transmits DVI, USB HID, RS232 and audio signal up to 1km (3,280feet) over two (2) duplex LC optical fibers.
- Operates with both single and multi-mode optical fibers.
 - Up to 1.0km (3,280feet) with two (2) duplex LC single-mode fibers.
 - Up to **300m (985feet)** with two (2) duplex LC multimode fibers.
- Offers DVI, USB Loop through ports for Local two (2) displays and Keyboard / Mouse.
- Supports bi-directional stereo audio.
- ♦ Lossless Image Quality, with no Frame Dropping.
- ♦ USB HID ports for keyboard and mouse
- Provides Serial Control Data: RS232C through 9 pin
 D-sub connector.
- ◆ Auto-mix EDID feature
- Offers remote console switch (option)
- ◆ 19" 1RU mounting rack, mounting bracket (option)
- ♦ Size (WDH): 216mm x 112mm x 44mm
- ♦ Power supplying: +12V, 3A power adapter
- Certifications: CE / FCC



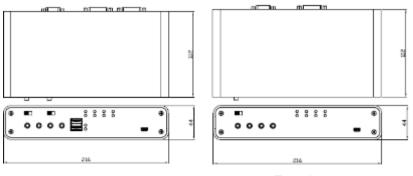
Two (2) PCs Switchable Dual-head DVI Optical KVM Extender, KVMX-100-TR

Recommended Operating Conditions

| Parameter | Symbol | Min. | Тур. | Max. | Units |
|-----------------|----------------|------|------|------|-------|
| Operating Temp. | T _A | 0 | 25 | + 50 | °C |
| Storage Temp. | Ts | -30 | | + 70 | °C |
| Humidity | Hs | 10 | | 85 | RH% |

Drawing

Dimension (WDH): 216mm x 112mm x 44mm



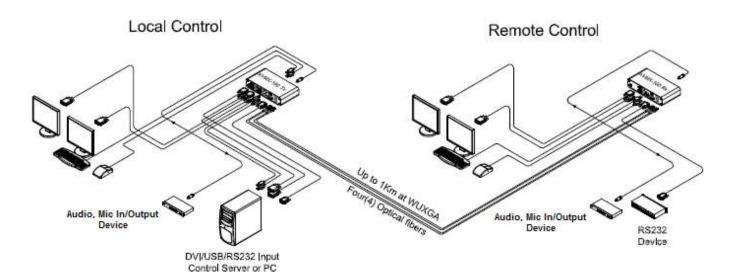
Transmitter

Receiver

Specifications

OPTICAL INTERCONNECTION Four (4) fiber Number Four (4) LC connector 1310/1550 nm Connectors Wavelength Operating Distance Up to 1.0 km (3280feet) over LC single-mode Up to 300m (985feet) over LC multi-mode VIDEO Supported Resolution WUXGA (1920x1200) 8 bits per channel, 3 channels (RGB) Two (2) female DVI-D for input Two (2) female DVI-D for local monitors Pixel data bit depth Connectors (Tx) Connector (Rx) Two (2) female DVI-D for remote monitors USB Supported Standard USB HID Two (2) female USB-B for connection with PCs. Two (2) female USB-A for local KM Two (2) female USB-A for remote KM Connectors (Tx) Connector (Rx) AUDIO (3.5mm jack) One (1) Audio In & One (1) Audio Out One (1) Mic In & One (1) Mic Out Connector (Tx) One (1) Audio In & One (1) Audio Out One (1) Mic In & One (1) Mic Out Connector (Rx) SERIAL DATA COMMUNICATION Connector (Tx) One (1) female 9-pin Dsub Connector (Rx) Supported Protocol One (1) male 9-pin Dsub RS-232C

Connection Diagram for a PC equipped dual DVI ports (Local Control side)





Two (2) PCs Switchable Dual-head DVI Optical KVM Extender, KVMX-100-TR

Connection Diagram for two (2) PCs, equipped each DVI port (Local Control side)

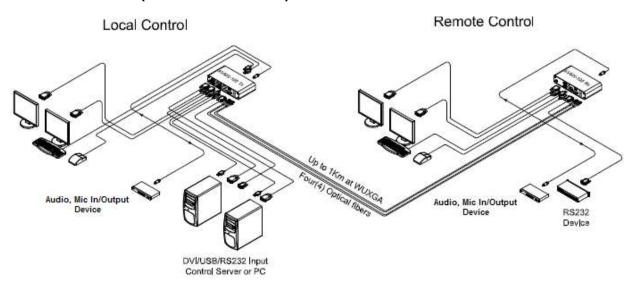


Image of KVMX-100-TR



Accessories (as an option)

Remote Console Switch; KVMX-100- RO / KVMX-100-LO



