OPTICIS
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One (1) Fiber DVI KVM Extender,
KVMX-200-TR

Description

DVI optical KVM extender, KVMX-200-TR is designed to be used at various long haul KVM applications. KVMX-200-TR transmits DVI, USB HID, PS/2, RS-232 and bi-directional stereo audio signal up to 1.0km (3,280feet) over one (1) LC single-mode fiber. As an option, user can select one (1) or two (2) fibers connection by SFP module.

Designed for high resolution performance, it guarantees lossless image quality and no frame dropping to deliver perfect graphic data transmission up to WUXGA (1920x1200) 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-200-TR easy and flexible at any variable resolutions.

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

Ordering Information

• KVMX-200-TR: One (1) single-mode fiber connection
• KMVX-201-TR: Two (2) single-mode fibers connection
• KVMX-202-TR: Two (2) multi-mode fibers connection

Specification

•   One (1) or Two (2) fibers connection by SFP module.
•   Supports **WUXGA (1920x1200)** resolution at 60Hz.
•   Transmits DVI, USB HID, PS/2, RS232 and audio signal up to 1km (3,280feet) over one (1) LC optical fiber.
•   Operates with both single and multi-mode optical fiber.
    - Up to **1.0km (3,280feet)** with one (1) or two (2) LC single-mode fibers.
    - Up to **300m (985feet)** with two (2) LC multi-mode fibers.
•   **Auto-mix EDID** feature
•   Offers DVI, USB, and PS/2 Loop through ports for a Local display and Keyboard / Mouse.
•   Supports **bi-directional stereo audio**.
•   Supports DIO port
•   Provides Serial Control Data: RS-232 through 9 pin D-sub connector.
•   Offers remote console switch and Indicator (option)
•   19" 1RU mounting rack, mounting bracket (option)
•   Size (WDH): 216mm x 112mm x 44mm
•   Power supplying: +12V, 3A power adapter
•   Certifications: CE / FCC

Applications

• Medical
• Military and aerospace
• Factory automation and traffic control platforms
• Conference rooms, auditoriums and kiosk systems
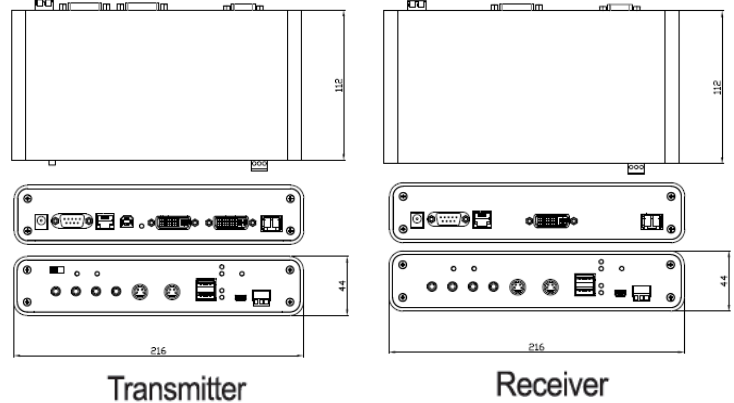• Large scale information display and stadiums

Technical Features

OPTICAL INTERCONNECTION	
Number of fibers	One (1) or Two (2) fiber
Connectors	One (1) or Two (2) LC connector
Wavelength	1310/1550 nm
Operating Distance	Up to 1.0 km (3,280feet) over LC single-mode
	Up to 300m (985feet) over LC multi-mode
VIDEO	
Supported Resolution	WUXGA (1920x1200)
Pixel data bit depth	8 bits per channel, 3 channels (RGB)
Connectors (Tx)	One (1) DVI-D receptacle for input
	One (1) DVI-D receptacle for local monitor
Connector (Rx)	One (1) DVI-D receptacle for remote monitor
USB, PS/2	
Supported Standard	USB HID, PS/2
Connectors (Tx)	One (1) USB-B receptacle for connection with PC.
	Two (2) USB-A receptacle for local KM
	Two (2) PS/2 receptacle for local KM
Connector (Rx)	Two (2) USB-A receptacle for remote KM
	Two (2) PS/2 receptacle for remote KM
AUDIO (3.5mm jack)	
Connector (Tx)	One (1) Audio In & One (1) Audio Out
	One (1) Mic In & One (1) Mic Out
Connector (Rx)	One (1) Audio In & One (1) Audio Out
	One (1) Mic In & One (1) Mic Out
DIO	
Connector (Tx)	One (1) DIO In& One (1) GND &
	One (1) DIO Out
Connector (Rx)	One (1) DIO In& One (1) GND &
	One (1) DIO Out
SERIAL DATA COMMUNICATION	
Connector (Tx)	One (1) 9-pin Dsub receptacle plug
Connector (Rx)	One (1) 9-pin Dsub receptacle plug
Supported Protocol	RS-232C

Dimension

216mm x 112mm x 44mm (WDH)

Transmitter

Receiver

Recommended Operating Conditions

Parameter	Symbol	Min.	Typ.	Max.	Units
Operating Temp.	T_A	0	25	+ 50	°C
Storage Temp.	T_s	-30		+ 70	°C
Operating Humidity	H_s	10		85	RH%

Accessories (as an option)

Remote Console

Switch & Indicator:

LSKP-1003 / RSKP-1003

19" 1RU Mounting Rack: OPMCF-1U

Mounting Bracket:

OPMCB

All contents are subject to be changed without prior notice.