TECHNICAL SPECIFICATION

VIDEO

Format	DVI-D Single Link
Maximum pixel clock	165 MHz
Input interface (TX)	(1) DVI-D 29-pin female
Output interface (RX)	(1) DVI-D 29-pin female
Resolution	1920 x 1200 at 60 Hz
DDC	Internal Table can be re-programmed
Laser Output Power	Class 1; EN 60825-1 2007; EN 60825-2 A2 2010

USB

Input interface (TX)	(1) USB Type B (female)
Output interface (RX)	(2) USB Type A (female)
Frequency Response	30KHz to 80KHz

RS-232

Format	DB9 (Female)
Speed	Up to 9600bps

OTHER

Power	External 100-240 VAC/5VDC4A
Fiber Extend	225m @ Multimode 62,5μ; 450m @ Multimode 50μ; Fiber-Plug type LC
Dimensions	4.5"x5.5"x1.70"
Weight	2 lbs
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%

WHAT'S IN THE BOX

PART NO.	Q-TY	DESCRIPTION
FDX-MINI-TX	1	DVI-D, USB K/M and RS232 over Multimode Fiber Transmitter
FDX-MINI-RX	1	DVI-D, USB K/M and RS232 over Multimode Fiber Receiver
PS5VDC4A	2	PS5VD4A Power Supply
Quick Start Guide	1	

NOTICE

DESIGNED AND MADE IN THE USA

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2455 W Cheyenne Ave, Suite 112
North Las Vegas, NV 89032

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Smart-AVI
SMART AUDIO VIDEO INNOVATION

FDX-MINI

KVM (DVI-D) Fiber Extender

FOR THE EXTENSION OF ANY DVI-D, USB KEYBOARD, MOUSE, AND RS232 SIGNAL UP TO 1,400 FEET

Quick Start Guide

ABOUT SFX

For reliable, uninterrupted and long-distance DVI-D KVM extension, the FDX-Mini provides the best solution with its fiber optic extension capabilities. Users can bridge large gaps that they ordinarily could not with this compact device. The FDX-Mini includes the transmitter and receiver, for complete point-to-point signal extension, with no need for any other hardware or software.

Using FDX-Mini technology, this fiber DVI extender is capable of sending a DVI-D signal up to 1,400 feet (426.7 meters) over a conventional and inexpensive multimode fiber cable. Supported resolutions up to 1920x1200x60Hz. As with all DVI-D and USB connections, the signals are transmitted via the extender.

The FDX-Mini also has USB keyboard, mouse, and RS-232 support, giving you the ability to control your displays or devices remotely.

FEATURES

- Top Signal Quality at Maximum Extension Over Multimode Fiber (1,400 ft.)
- Superior Image Quality at all Resolutions
- Video Resolutions up to 1920 x 1200 at 60 Hz (1280 x 1024 at 75 Hz)
- Customizable/Programmable DDCTable
- Supports USB Keyboard/Mouse
- Supports DVI-D
- RS232 at 9600bps
- Fiber PlugType LC
- CompatibleWith all Operating Systems
- CompatibleWith all Major KVM Switches
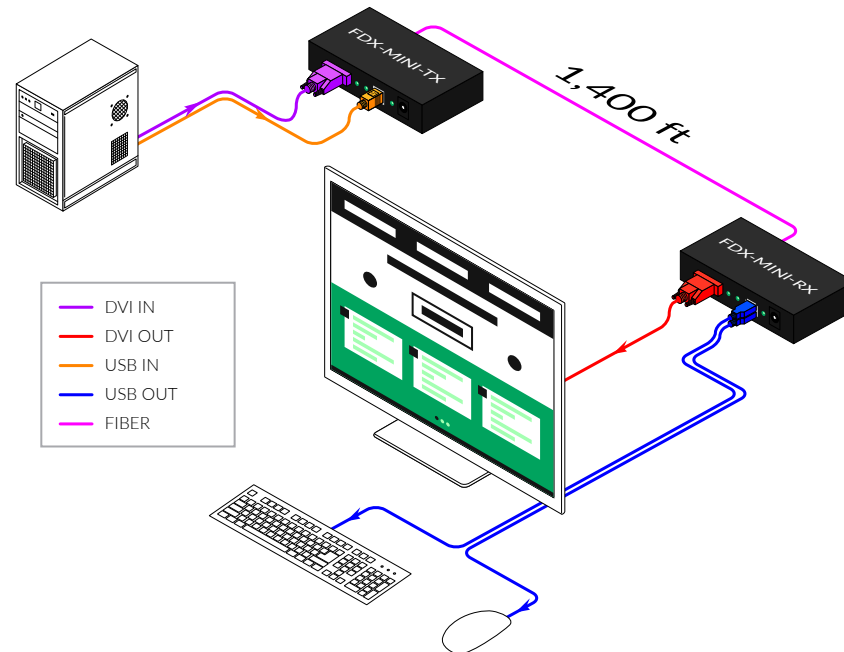- Compact Metal Casing

HARDWARE INSTALLATION

1. Turn off all devices.
2. Connect a multimode fiber optic cable between the FDX-MINI-TX and FDX-MINI-RX (maximum cable length is 1,400 ft.).
3. Connect the DVI-D cable, RS-232 cable (optional), and USB cable from the computer to their appropriate ports on the FDX-MINI-TX .
4. Power on the computer and connect the provided 5VDC power supply to the FDX-MINI-TX.
5. Connect a USB keyboard and Mouse to the USB ports on the FDX-MINI-RX.
   NOTE: Only a keyboard and a mouse may be connected to these ports. Connecting other devices to these USB ports may cause damage to the unit.
6. Optionally connect an RS-232 control-enabled device to the DB9 connector on the FDX-MINI-RX.
7. Connect the monitor or display to the DVI-D out of the FDX-MINI-RX and power on the monitor only.
8. Connect the supplied 5VDC power supply to the FDX-MINI-RX.
   NOTE: The FDX-MINI is HDMI compatible. (With DVI to HDMI Adapters)

— DVI IN
— DVI OUT
— USB IN
— USB OUT
— FIBER

FDX-MINI-TX FRONT

FDX-MINI-RX FRONT

FDX-MINI-TX BACK

FDX-MINI-RX BACK