FDX-2000

Multimode Fiber Extender

For the Extension of any Keyboard, Mouse, Audio, DVI-D and RS-232 Signal up to 1,400 Feet

The FDX-2000 consists of a transmitter and receiver that extend KVM, DVI-D, audio and RS-232 signals. It is a professional quality KVM capable of extending signals up to 1,400 feet over a single multimode fiber optic cable.

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 60Hz (1280 x 1024 at 75Hz)
- Customizable/Programmable DDC Table
- Supports PS/2 Keyboard/Mouse
- Supports Stereo Audio

- Supports DVI-D
- Supports RS-232 Control from 300bps to 115,000bps
- Supports all PC/AT and PS/2 Keyboards Fully Transparent
- Fiber Plug Type LC
- Compatible With all Operating Systems
- Compatible With all Major KVM Switches
- Compact Metal Casing

Why Fiber Optic?

SmartAVI has created a full line of fiber optic extender products, understanding that this technology is superior to traditional cabling.

Fiber optic cables are:

- capable of transmitting over very long distances with no signal loss.
- immune to electromagnetic interference. In situations where there is considerable interference, fiber optic cabling is the only solution.
- much more secure because they cannot be easily tapped. For this reason, military and law enforcement agencies use fiber optic cables for the transmission of sensitive data.
- relatively inexpensive and small enough to be routed through small spaces.
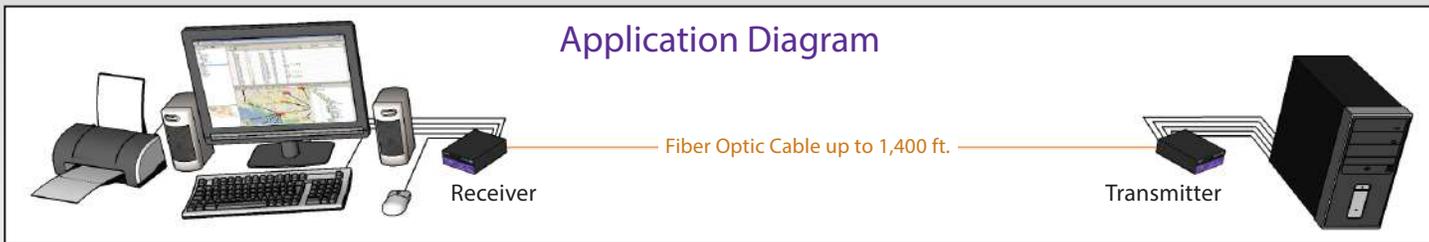
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Application Diagram

Fiber Optic Cable up to 1,400 ft.

Receiver

Transmitter

Specifications

Video	
Input Interface	DVI-D Female (Single-Link)
Resolution	1920x1200 at 60Hz
DDC	Internal Table can be Re-programmed
Audio	
Signal Type	Stereo Audio
Bandwidth	15MHz, 0dB
Impedance	10K Ohm
Connector	3.5mm Stereo Mini Female
Other	
RS-232	Data up to 115,000bps
DB-9	Female for TX, Male for RX
Fiber Extender	Fiber • 225m @ Multimode 62,5µ • 450m @ Multimode 50µ Fiber-Plug type LC
Dimensions	4.5"x5.5"x1.70"
Weight	8 Lbs.

Applications

- Corporate or Educational Presentations
- Financial (Remote Servers/User Control)
- Call Centers
- Industrial (Long-Range Workstation Isolation)
- Information Terminals/Kiosks
- Airport Installations (Air Traffic Control/Passenger Information)
- KVM Extension where Exceptional Quality of Signal is Crucial
- Medical (Remote Operation Away from Sensitive/Magnetic Equipment)
- Recording (for Large Studios where Editing/Mixing Stations are Compact and/or Require Complete Silence)

FDX-2000 Receiver Front

FDX-2000 Receiver Rear

Ordering Information

Part No.	Qty.	Description
FDX-TX2000	1	FDX-2000 Multimode Transmitter
FDX-RX2000	1	FDX-2000 Multimode Receiver
PS5VDC4A	2	Power Supply (2) 5V 4A

Many leading companies have recognized and embraced the innovation of SmartAVI's technologies and have successfully incorporated them into their organizations. Users of SmartAVI include:

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