

EVS 8^{Plus}

**KVM Extension System
One Dual-Link DVI Display**

Powered by
MRTS Technology



The Logical Solution - KVM Extension

Industry standard DVI video formats up to 330MHz are supported over multi-mode fiber. The EVS 8 Plus Extender supports one Dual-Link DVI signal. Any resolution which fits into the 330MHz bandwidth will be flawlessly transported from end to end. The EVS 8 Plus harnesses advanced fiber optic technology, which means that image quality is not compromised with problems such as frame-dropping or content loss. The standard EVS 8 Plus is comprised of a four port USB 1.1 hub which allows for direct connection of up to four devices at the receiver end.

MRTS Technology 6.25 Gbps. Allows for Full Frame Rate Transmission of Uncompressed DVI

Powered by Thinklogical's cutting edge, patent-pending MRTS (Multi Rate Transmission System) technology, this KVM extension system transports every frame of a DVI video stream seamlessly, with no compression, or dropped frames. In addition, all high speed peripherals function with no latency.

Additional Options

The USB 2.0 Option (Model U) offers transfer rates up to 480 Mbps. This option supports USB 2.0 devices and enables the user to connect multiple devices (such as keyboard, CDROM, Memory Stick, etc.) to a computer.

The Firewire 800 Option (Model F) is a high-speed, plug and play peripheral interface that supports data transfer rates up to 800 Mbps. FireWire enables the user to connect to external highspeed devices (such as hard disk drives, DVD drives, etc).

The USB 2.0 and Firewire 800 models require 2 additional fibers.

The USB 1.0 Human Interface Devices (HID) Option (Model H) is designed for security conscious customers. This option supports USB 1.0 and human interface devices only (such as keyboard, mouse, tablets, and touchscreens).

All models are available with SC, ST, or LC type fiber connectors.

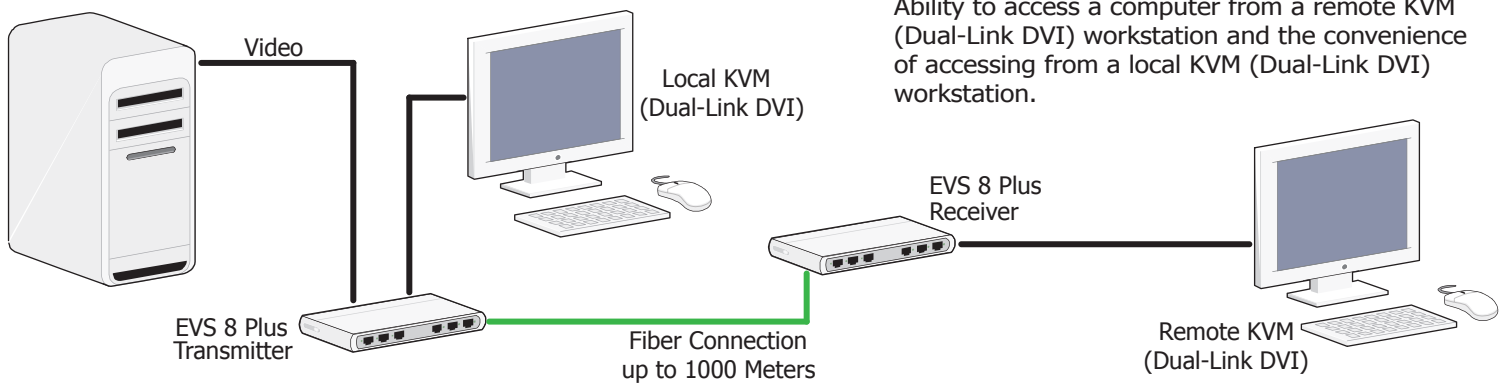
The System (Basic)

Each system consists of a transmitter and a receiver connected by multi-mode fiber optic cable. The transmitter unit connects to the computer with suitable cables and the receiver unit provides connections to the user interface devices. The EVS 8 Plus is capable of supporting PS2, full duplex stereo audio, serial (RS-232), USB 1.0 (HID) device ports and USB 1.1.

Key Features

- Supports one dual-link DVI signal with maximum resolution of 3840 x 2400
- Local KVM ports on transmitter
- Extends KVM up to 1000 meters (3280 feet) using eSX+ multi-mode fiber
- Flawless image quality, with no frame dropping
- Full speed USB 1.1 compliant
- USB 2.0 or Firewire 800 Option
- Supports bi-directional analog stereo audio
- DDC2B compliant
- Full keyboard and mouse emulation through the transmitter
- Supports all PS2 keyboards and mice
- 19" rack mountable or desktop
- Simple plug and play
- Fully compatible with all ThinklogicalTM DCS Matrix Switches and DCS StudioPRO Matrix Switches

Typical Application for EVS 8 Plus



Specifications

Video Resolution	DVI-D All Dual-Link Resolutions up to 3840 x 2400
Supply Voltage	100-240 VAC, 47-63 Hz, Universal AC Power Supply
Operating Temperature	0°-50°C (32°-122°F)
Humidity	5-95% RH, Non-Condensing
Dimensions and Weights	Rack Size: EIA 19" Height: 1U-1.75" (4.3cm) Width: 17.25" (44.00cm) (Tolerance: ± .039"; .100cm) Depth: 14.00" (38.00cm) Weight: 10lbs (4.4kg) Each Shipping Weight: 30lbs (13.61kg) Pair
Optical Cable	Three Fibers, Multi-Mode 50 Micron (Fiber is Available, Not Supplied)
Optical Distance	Up to 1000 Meters (3280 Feet)
Power Consumption	25-30 Watts per Unit
Compliance	Approvals for US, Canada, and European Union
Warranty	12 Months from Date of Shipment. Extended Warranties Available.

Copper Connectors

Transmitter

Video	DVI-D (2)
Audio MIC	3.5mm Jack
Audio LINE	3.5mm Jack
Serial Port	DB9 Female
USB 1.0 (HID)	USB B
USB 1.1	USB B
USB Local Keyboard	USB A
USB Local Mouse	USB A
PS2 Keyboard	MiniDIN 6 Female
PS2 Mouse	MiniDIN 6 Female
PS2 Local Keyboard	MiniDIN 6 Female
PS2 Local Mouse	MiniDIN 6 Female
Software Updates	USB B (3)
Fiber Connectors	LC, SC or ST (4)

USB 2.0 Option (Model U):

Includes Basic Version connectors in addition to:

Transmitter:

USB 2.0	USB B
Fiber Connectors	LC, SC or ST (2)

Receiver:

USB 2.0	USB A (4)
Fiber Connectors	LC, SC or ST (2)

Receiver

Video	DVI-D (1)
Audio MIC	3.5mm Jack
Audio LINE	3.5mm Jack
Serial Port	DB9 Male
USB 1.0 (HID)	USB A (4)
USB 1.1	USB A (4)
PS2 Keyboard	MiniDIN 6 Female
PS2 Mouse	MiniDIN 6 Female
Software Updates	USB B (2)
Fiber Connectors	LC, SC or ST (4)

Firewire 800 Option (Model F):

Includes Basic Version connectors in addition to:

Transmitter:

Firewire 800	IEEE 1394b Receptacle
Fiber Connectors	LC, SC or ST (2)

Receiver:

Firewire 800	IEEE 1394b Receptacle
Fiber Connectors	LC, SC or ST (2)

Ordering Information

EVS 8 PLUS

EVS-000V08-LCRX	Fiber KVM Extender Receiver, Dual Link DVI, KMAS, USB 1.1, LC
EVS-000V08-LCTX	Fiber KVM Extender Transmitter, Dual Link DVI, KMAS, USB 1.1, LC
EVS-000V08-SCRX	Fiber KVM Extender Receiver, Dual Link DVI, KMAS, USB 1.1, SC
EVS-000V08-SCTX	Fiber KVM Extender Transmitter, Dual Link DVI, KMAS, USB 1.1, SC
EVS-000V08-STRX	Fiber KVM Extender Receiver, Dual Link DVI, KMAS, USB 1.1, ST
EVS-000V08-STTX	Fiber KVM Extender Transmitter, Dual Link DVI, KMAS, USB 1.1, ST

EVS 8 PLUS with SINGLE FIBER DATA

EVS-001V08-LCRX	Fiber KVM Extender Receiver, Dual Link DVI, Single Fiber KMAS, USB 1.1, LC
EVS-001V08-LCTX	Fiber KVM Extender Transmitter, Dual Link DVI, Single Fiber KMAS, USB 1.1, LC
EVS-001V08-SCRX	Fiber KVM Extender Receiver, Dual Link DVI, Single Fiber KMAS, USB 1.1, SC
EVS-001V08-SCTX	Fiber KVM Extender Transmitter, Dual Link DVI, Single Fiber KMAS, USB 1.1, SC
EVS-001V08-STRX	Fiber KVM Extender Receiver, Dual Link DVI, Single Fiber KMAS, USB 1.1, ST
EVS-001V08-STTX	Fiber KVM Extender Transmitter, Dual Link DVI, Single Fiber KMAS, USB 1.1, ST

EVS 8 PLUS with FIREWIRE

EVS-F00V08-LCRX	Fiber KVM Extender Receiver, Dual Link DVI, KMAS, USB 1.1, Firewire, LC
EVS-F00V08-LCTX	Fiber KVM Extender Transmitter, Dual Link DVI, KMAS, USB 1.1, Firewire, LC
EVS-F00V08-SCRX	Fiber KVM Extender Receiver, Dual Link DVI, KMAS, USB 1.1, Firewire, SC
EVS-F00V08-SCTX	Fiber KVM Extender Transmitter, Dual Link DVI, KMAS, USB 1.1, Firewire, SC
EVS-F00V08-STRX	Fiber KVM Extender Receiver, Dual Link DVI, KMAS, USB 1.1, Firewire, ST
EVS-F00V08-STTX	Fiber KVM Extender Transmitter, Dual Link DVI, KMAS, USB 1.1, Firewire, ST

EVS 8 PLUS with SINGLE FIBER DATA and FIREWIRE

EVS-F01V08-LCRX	Fiber KVM Extender Receiver, Dual Link DVI, Single Fiber KMAS, USB 1.1, Firewire, LC
EVS-F01V08-LCTX	Fiber KVM Extender Transmitter, Dual Link DVI, Single Fiber KMAS, USB 1.1, Firewire, LC
EVS-F01V08-SCRX	Fiber KVM Extender Receiver, Dual Link DVI, Single Fiber KMAS, USB 1.1, Firewire, SC
EVS-F01V08-SCTX	Fiber KVM Extender Transmitter, Dual Link DVI, Single Fiber KMAS, USB 1.1, Firewire, SC
EVS-F01V08-STRX	Fiber KVM Extender Receiver, Dual Link DVI, Single Fiber KMAS, USB 1.1, Firewire, ST
EVS-F01V08-STTX	Fiber KVM Extender Transmitter, Dual Link DVI, Single Fiber KMAS, USB 1.1, Firewire, ST

EVS 8 PLUS with HUMAN INTERFACE

EVS-H00V08-LCRX	Fiber KVM Extender Receiver, Dual Link DVI, KMAS, USB HID, LC
EVS-H00V08-LCTX	Fiber KVM Extender Transmitter, Dual Link DVI, KMAS, USB HID, LC
EVS-H00V08-SCRX	Fiber KVM Extender Receiver, Dual Link DVI, KMAS, USB HID, SC
EVS-H00V08-SCTX	Fiber KVM Extender Transmitter, Dual Link DVI, KMAS, USB HID, SC
EVS-H00V08-STRX	Fiber KVM Extender Receiver, Dual Link DVI, KMAS, USB HID, ST
EVS-H00V08-STTX	Fiber KVM Extender Transmitter, Dual Link DVI, KMAS, USB HID, ST

EVS 8 PLUS with SINGLE FIBER DATA and HUMAN INTERFACE

EVS-H01V08-LCRX	Fiber KVM Extender Receiver, Dual Link DVI, Single Fiber KMAS, USB HID, LC
EVS-H01V08-LCTX	Fiber KVM Extender Transmitter, Dual Link DVI, Single Fiber KMAS, USB HID, LC
EVS-H01V08-SCRX	Fiber KVM Extender Receiver, Dual Link DVI, Single Fiber KMAS, USB HID, SC
EVS-H01V08-SCTX	Fiber KVM Extender Transmitter, Dual Link DVI, Single Fiber KMAS, USB HID, SC
EVS-H01V08-STRX	Fiber KVM Extender Receiver, Dual Link DVI, Single Fiber KMAS, USB HID, ST
EVS-H01V08-STTX	Fiber KVM Extender Transmitter, Dual Link DVI, Single Fiber KMAS, USB HID, ST

EVS 8 PLUS with USB 2.0

EVS-U00V08-LCRX	Fiber KVM Extender Receiver, Dual Link DVI, KMAS, USB 2.0, LC
EVS-U00V08-LCTX	Fiber KVM Extender Transmitter, Dual Link DVI, KMAS, USB 2.0, LC
EVS-U00V08-SCRX	Fiber KVM Extender Receiver, Dual Link DVI, KMAS, USB 2.0, SC
EVS-U00V08-SCTX	Fiber KVM Extender Transmitter, Dual Link DVI, KMAS, USB 2.0, SC
EVS-U00V08-STRX	Fiber KVM Extender Receiver, Dual Link DVI, KMAS, USB 2.0, ST
EVS-U00V08-STTX	Fiber KVM Extender Transmitter, Dual Link DVI, KMAS, USB 2.0, ST

EVS 8 PLUS with SINGLE FIBER DATA and USB 2.0

EVS-U01V08-LCRX	Fiber KVM Extender Receiver, Dual Link DVI, Single Fiber KMAS, USB 2.0, LC
EVS-U01V08-LCTX	Fiber KVM Extender Transmitter, Dual Link DVI, Single Fiber KMAS, USB 2.0, LC
EVS-U01V08-SCRX	Fiber KVM Extender Receiver, Dual Link DVI, Single Fiber KMAS, USB 2.0, SC
EVS-U01V08-SCTX	Fiber KVM Extender Transmitter, Dual Link DVI, Single Fiber KMAS, USB 2.0, SC
EVS-U01V08-STRX	Fiber KVM Extender Receiver, Dual Link DVI, Single Fiber KMAS, USB 2.0, ST
EVS-U01V08-STTX	Fiber KVM Extender Transmitter, Dual Link DVI, Single Fiber KMAS, USB 2.0, ST

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