

ViewLink CATx

Advanced micro-mini KVM extender



- Extends Video, Keyboard and Mouse up to 1,000ft (300m) over CATx cable.
- Advanced automatic video compensation and equalization (with manual fine-tuning)
- Up to 1920*1440 video resolution
- Automatic video skew adjustment for longer distances (optional)
- Models available for USB-HID, PS2 or both
- Transmitter unit is interface powered

ViewLink Product Features

- Multi-functional micro KVM Extender supports;
 - SVGA, VGA, XGA, RGB video modes
 - USB-HID or PS2 keyboard and mouse
 - Mixed USB-HID and PS2, local or remote
 - Video-only and keyboard/mouse-only models
 - Automatic video skew adjustment (optional)
- Simple plug-and-play operation. No switches or jumper settings required.
- No additional CPU cables required.
- VGA Video resolutions up to 1920 x 1440/60Hz.
- The Transmitter unit is interface powered or alternatively A/C powered for special applications
- CATx extension cable can be CAT5e, 6 or 7 and UTP/STP, solid-core.
- Cable length compensation adjustments are automatically performed at power-on.
- Video equalization and gain control can be fine tuned with simple keyboard commands.
- Optional automatic skew adjustments produce a crystal-clear display at the maximum distance. Skew control is recommended for distances in excess of 50 metres, for optimum performance.
- Operating system independent, and supports 35 different country specific keyboard types.
- Made in USA

Product Overview

The **ViewLink** Micro-Mini KVM Extender is a versatile device used for standard KVM extension, and also for system building of customized keyboard/mouse and video applications.

The ability to mix-and-match USB and PS2 at either end is unique. This allows the user, for example, to use a PS2 port on the computer, with USB Keyboard and Mouse at the remote end. **ViewLink** handles the USB<>PS2 conversion in both directions. In video-only applications, the Transmitter unit can be powered via a standard USB Hub.

A special version of the Transmitter unit has both USB and PS2 connectors attached for use in environments where there is changing and upgrading of CPU hosts.

ViewLink products are also available for Touchscreen, Video-Only and Keyboard/Mouse only operations.

Viewlink Applications

Access to your computers is made convenient in a variety of situations. You can locate users away from hazardous industrial environments, locate computers away from areas vulnerable to theft of hardware and data, and run long distances using CATx solid cables.

ViewLink will also connect to other devices with a standard VGA/PS2/USB interface such as KVM Switches, Video Splitters and Video Controllers.



Installing Viewlink



Transmitter



Receiver - LCD Mount

Viewlink and Rose KVM Switch *ViewLink* can be used to interconnect Rose KVM Switches, and also to extend either the CPU's or the user station away from the KVM Switch. The *ViewLink-DB25* can be ordered with a DB25 interface at either end, or you can mix DB25 at one end with VGA/PS2/USB at the other end.

Automatic Set-Up Whenever *ViewLink* is initialized, it automatically determines the cable distance between the transmitter and receiver units, and adjusts the video gain and equalization accordingly. Keyboard commands can be used to individually adjust each of the RGB colors. The auto-skew models will automatically adjust the RGB video components.

Keyboard and Mouse Emulation The *ViewLink* extender automatically emulates a keyboard and mouse. Provided the transmitter unit is connected to the host PC, the PC will boot correctly.

EDID Acquisition An EDID table is maintained in the transmitter unit. Each time a new monitor is connected to the receiver unit and powered on, any new DDC-EDID information is passed from the receiver to the transmitter. This information is uploaded to the PC when the PC is booted.

CATx Cable Requirements The CATx extension cable can be CAT5e, 6 or 7, UTP/STP cable. The *ViewLink* performance is optimized for use with solid core cable. Stranded (patch) cable will significantly reduce operational distance and video quality. STP cable with grounded metal hoods is recommended.

ViewLink should have a common electrical ground at each end. Do not use *ViewLink* between different buildings.

ViewLink Extender Models

- *VGA/USB Single Access*
- *VGA/USB/PS2 to USB*
- *DB25 to VGA/USB/PS2*
- *VGA Video Only*
- *VGA/PS2 Single Access*
- *VGA/USB + PS2 to PS2*
- *VGA/USB/PS2 to DB25*
- *Keyboard/Mouse Only*

Specifications

Dimensions	Width	Depth	Height
Transmitter (in/cm)	1.3 / 3.3	1.65 / 4.2	0.63 / 1.6
Receiver (in/cm)	2.7 / 6.8	2.6 / 6.7	1.0 / 2.5
Video Resolution	Up to 1920*1440 @ 60Hz – up to 300ft Reduced resolutions at longer distances		
Compatibility	SVGA, VGA, XGA, RGB		
Levels	0.7V p-p		
Sync Type:	Separate composite TTL level		
Device Support	Keyboard - PC/AT, PS2, USB-HID Mouse - PS2 2-button, Microsoft and Logitech compatible. USB-HID Video - SXGA, VGA, XGA, RGB		
Connectors	All CATx - RJ45		
USB Model	Video - TX: (HD15M) RX: (HD15F) KB/Mouse - TX & RX: USB Type A		
PS2 Model	Video - TX: (HD15M) RX: (HD15F) KB/Mouse - TX: PS/2-M RX: PS/2-F		
Video Only	Video - TX: (HD15M) RX: (HD15F) KB/Mouse - TX: USB or PS2 for local power		
DB25 Model	Video - TX & RX: DB25 on short cable KB/Mouse - TX & RX: Via DB25 interface		
Interconnect	RJ45 – CATx, UTP/STP, EIA/TIA 568B CAT 5, 5e, 6, 7. Solid cable		
Power	Local - From PC via PS2 or USB (alternative) via external +5V Remote - 100-240V, 50/60Hz, +5V/1A		
Environmental	Temp - 0°C – 45°C. Humidity: 0%-80%		
Approvals	CE		

Part Numbers: (check with Rose for full part number listing)

VLK-TMVPRAVP	PS/2, VGA KVM Extender
VLK-TMVURAVU	USB, VGA KVM Extender
VLK-TMVBRAVP	PS/2 and USB to PS/2 VGA KVM Extender
VLK-TMVBRAVU	PS/2 and USB to USB VGA KVM Extender
VLK-TMVORAV0-U	Video only - power from CPU's USB port
VLK-TMVORAV0-P	Video only - power from CPU's PS/2 port
VLK-TMVORAV0/B1.3	Video only - power from external adapter
VLK-TMOURAOU	USB keyboard/mouse only
/W	Auto-skew compensation (optional)
/T	Add to USB ViewLink for Touchscreen



Note: Not for use with USB1.1 or USB2.0 devices

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