

Let's connect! KVM can be so simple
kvm-tec

Masterline



www.kvm-tec.com

The highly optimized KVM Extender over IP has a range of 150m/492ft at a resolution of 1920x1200 @60 Hz and is available in copper as single version. The perfect tuning of kvm-tec video compression with a low latency time enables a delay-free transmission of the signals. USB and video is transmitted via CAT5e/6/7 cable. Due to the DVI extension without loss of quality Full HD videos can be transmitted in real time. The transparent USB 2.0 Interface already supports tablets and touch screens, sound modules in the standard version, printers and much more. USB upgrade is available for memory sticks and USB hard drives. High reliability and robust design make the low-cost kvm-tec Extender ideal for many applications.

The kvm-tec feature „USB save“ prevents the intrusion of viruses via the USB interface by deactivating mass storage devices. With the switching upgrade the MVX1 Extender can be integrated with standard network components to a Matrix Switching System up to 48 endpoints.

DVI-D /DVI-I/ USB 2.0 Extender over IP
Resolution 1920x1200@60 Hz
Max. distance 150 m / 492ft in copper
Full HD videos in real time
USB 2.0 transparent- in house development
Only one CAT5e/6/7 cables for USB and video
Can be used in the Matrix Switching System
up to 48 endpoints

USB save feature
Automatic Plug & Play installation
DVI extension without loss of quality
Ultra compact up to 4 Extender in 19" 1RU
Local/CPU - remote/CON Monitor output
Firmware Flash Upgrade without cable
screw on DVI connector
Transmission rate max 480 Mbit/s
Warranty 2 years, warranty
extension to 5 years possible

kvm-tec upgrades

already installed and unlockable with code

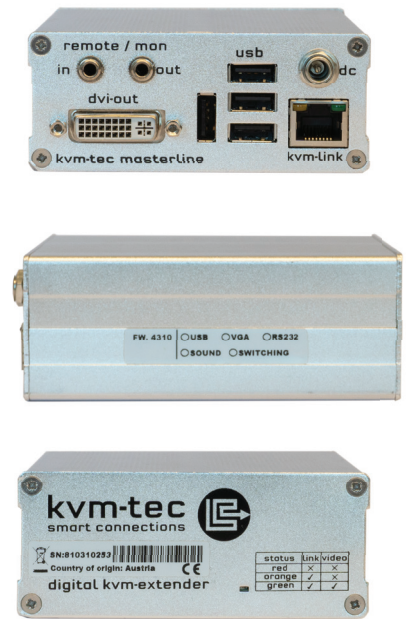
- USB memory
- Analog VGA - transmitted as DVI
- Sound analog in both directions in CD quality
- Matrix Switching System up to 48 endpoints

kvm-tec = C⁴



6701L Local CPU unit

6701R Remote CON unit



CONNECT kvm-tec Extender in Matrix Switching Systems and you can go up to 2000 endpoints and have a super fast switching. You can connect a wide range of different sources (servers, operator workstation, PC, surveillance camers, video walls and much more) and operate & control the system with centralized management

Network Environment; 1 or 10 Gbit bandwidth
 IGMP Snooping (for videosharing)



COLLABORATE with standard network components. kvm-tec Extender are compatible with standard network components and all kvm-tec Extender can collaborate in real time with 60Hz in full HD or 4K resolution



COMMUNICATE in your Switching System with our kvm-tec Switching Manager Software. The local and remote Extender are arranged in an optimized way and the Extender status is highlighted in color. With the kvm-tec Systems computers and servers can be located away from work desk into central server room for a high security level. The environment heat and noise are reduced at the work station and an ergonomic and quiet workplace for all users is possible



CONTROL your application in a much better way with all our in-house developments, like USB 2.0 transmission, video compression without latency, only one cable for USB and video transmission, zero latency. With our unique features each user can access multiple PC sources and can control and operate up to 16 screens with one mouse & keyboard. Video sharing can be done seamless and a central video wall can be integrated for sharing all informations in real time

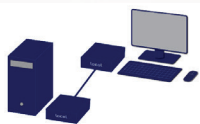


Technical Specifications

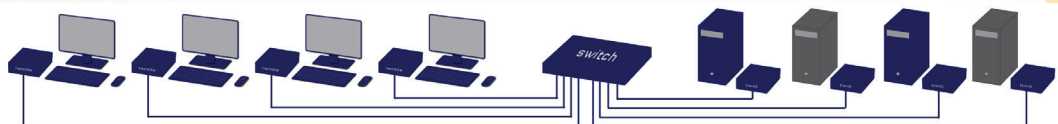
		MVX1 Local/CPU	MVX1 Remote/CON
Interfaces	Video	1 x DVI in (no HDCP) 1 x DVI out	1 x DVI-D out
	USB 2.0	1 x USB-B to PC	4 x USB-A (devices)
	Audio	1 x 3,5mm jack plug (Line In) 1 x 3,5mm jack plug (Line out)	1 x 3,5mm jack plug Line In) 1 x 3,5mm lack plug (Speaker)
Video	Signal type Resolution (digital) Resolution (analog) (opt.) Color mode	DVI-D max. 1920x1200 @ 60Hz max. 1920x1200 @ 60Hz 24bit	DVI-D max. 1920x1200 @ 60Hz max. 1920x1200 @ 60Hz 24bit
Audio	Type Bandwidth	analogue 16bit, 44kHz, 2ch	analogue 16 bit, 44kHz, 2ch
USB	Spezification Type: Rate	USB 2.0 transparent max. 480 Mbit/s mass storage devices & camera optional	USB 2.0 transparent max. 480 Mbit/s mass storage devices & camera optional
Casing	Material Dimension (W x H x D)	anodized aluminum 97.5 x 40 x 103.5 mm/ 3.83x1.57x4.07 inch	anodized aluminum 97.5 x 40 x 103.5 mm/ 3.83x1.57x4.07 inch
	Weight Weight for shipment SET 1,45 kg/2,8 lb	302g/0,66 lb 0,75kg/1,54b	291g/0,64 lb 0,75kg/1,54 lb
Power Supply	Type	wall power supply unit 12 VDC 1A	wall power supply unit 12 VDC 1A
Power Input	Operation	6W	6W without USB devices
Operation environment	Temperature Humidity	0 bis +45 °C /32 bis 113 °F) < 80%, non -condensing	0 bis +45 °C /32 bis 113 °F) < 80%, non- condensing
Storage environment	Temperature Humidity	-25 bis 80 °C /-13 to 176 F < 80%, non condensing	-25 bis 80 °C /-13 to 176 F < 80%, non condensing
Cooling		free air convection	free air convection
MTBF		82.820 calculated hours approx. 10 years	82.820 calculated hours approx. 10 years
Conformity		CE, FCC	CE, FCC
Warranty		2 years (5 years optional)	2 years (5 years optional)
Delivery content	Devices	1 x MVX 1 local (CPU)	1 x MVX1 remote (CON)
	Power Supply	1 x wall power supply unit I 12V 1A (EU-plug or INT plug)	1 x wall power supply unit I 12V 1A (EU-plug or INT plug)
	Cables	1 x DVI - DVI cable 1,8m (5.9ft) 1 x USB cable 1,8m (5.9ft) 1 x VGA-DVI cable 1,8m (5.9ft) 2 x Audio cable 1,8m (5.9ft)	
	Mounting	4 x rubber feet	4 x rubber feet
	Manual	Quickinstallation manual download: www.kvm-tec.com	

Part Number & Short description

Part No	Order Nr	short description
6701 6701L 6701R	MVX1 MVX1L MVX1R	Masterline Extender Single – Set UPC 051497031855 Masterline Extender Single –Local Unit /CPU UPC 05149702500 Masterline Extender Single –Remote Unit /CON UPC 051497031510
6841 6839 6840 6842	MVX1-MO MVX1 -S MVX1- VGA MVX1-SWO	USB Memory upgrade Sound upgrade Analog VGA upgrade MVX1 Switching upgrade (Switching over OSD menu)
4002	KVM-SM48	UPC051497031824 The intelligent software - kvm-tec Switching Manager enables Convenient and intuitive management of KVM extenders in the switching system.
9003 9002	GV5JU GV5J	Warranty extension to 5 years per UNIT Warranty extension to 5 years per SET
ADD-ONS 6130	RMK-F	Rack Mounting Kit with front panel UPC051497031718
6131	RMK-FN	Rackmounting Kit with front panel and Power supply UPC 051497031732
6132	RMK-FRN	Rackmounting Kit with frontpanel and red. Power supply UPC051497031749
6135 6136 6736	UMK TSB VH	Mounting Kit for under the table Din Rail Mounting Kit 6136 Vesa Mounting



point to point



switching system

max. distance 150m/492ft in copper

Switching System optional up to 48 endpoints