

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



Master line-dual

DUAL DVI-D/DVI-I USB 2.0 KVM Extender

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 two CAT5e/6/7 cables for USB and video

Can be used in the Matrix Switching System up to 48 endpoints

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 dual 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 two CAT5e/6/7 cables. With 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, printers and much more in the standard version. 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 MVX can be integrated with standard components in Matrix Switching Systems up to 48 endpoints.

.... smart connections

USB save feature

Automatic Plug & Play installation

DVI extension without loss of quality

Ultra compact up to 2 extenders in 19" 1RU

Local (CPU) / Remote (CON) Monitor output

Firmware Flash Upgrade without cable

Transmission rate max 480 Mbit/s

screw on DVI connector

kvm-tec = C⁴



kvm-tec upgrades

Pre-installed and unlockable

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

6702L Local CPU unit

6702R Remote CON unit



Technical Specifications

		MVX2 Local/CPU	MVX2 Remote/CON
Interfaces	Video	2 x DVI in (no HDCP) 2x DVI out	2x 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	anodized aluminum	anodized aluminum
	Dimension (W x H x D)	198 x 40 x 103.5 mm/7.79 x 1.57 x 4.07 inch	198 x 40 x 103.5 mm/7.79 x 1.57 x 4.07 inch
	Weight	604g /1.33 lb	582 g/1,28 lb
	Weight for shipment	SET 2, 05kg/4.512lb	MVX2-FR 1, 00 kg/2.20 lb
Power Supply	Type	wall power supply unit 12 VDC 2A	wall power supply unit 12 VDC 2A
Power Input	Operation	12W	12W without USB devices
Operation environment	Temperature	0 bis +45 °C /32 to 113 °F)	0 bis +45 °C /32 to 113 °F)
	Humidity	< 80%, non -condensing	< 80%, non- condensing
Storage environment	Temperature	-25 bis 80 °C /-13 to 176 F	-25 bis 80 °C /-13 to 176 F
	Humidity	< 80%, non condensing	< 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 2 local (CPU) 1 x wall power supply unit 12V 2A (EU-plug or INT plug)	1 x MVX2 remote (CON) 1 x wall power supply unit 12V 2A (EU-plug or INT plug)
	Power Supply	2 x DVI - DVI cable 1,8m (5.9ft) 1 x USB cable 1,8m (5.9ft)	
	Cables	2 x VGA-DVI cable 1,8m (5.9ft) opt 2 x Audio cable 1,8m (5.9ft) opt	
	Mounting	4 x rubber feet	4 x rubber feet
	Manual	Quickinstallation manual download: www.kvm-tec	



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 Environemt; 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

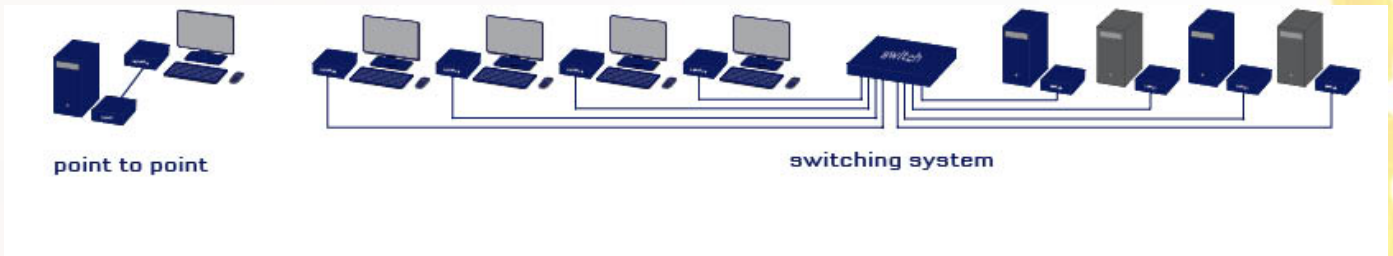


CONTROL your application in a much better way with all our in-house developments, like USB 2.0 transmission, video compression without latency, only one cable for USB and video transmission ,zero latency. With our unique features each user can access multiple PC sources and can control and operate up 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



Part Number & Short Description

Part No	Order No	short description
6702 6702L 6702R	MVX2 MVX2L MVX2R	Masterline Extender Single – Set <i>UPC 051497031855</i> Masterline Extender Single –Local Unit /CPU <i>UPC 05149702500</i> Masterline Extender Single –Remote Unit /CON <i>UPC 051497031510</i>
6844 6845 6840 6842	MVX2-MO MVX2-S MVX2-VGA MVX2-SWO	USB Memory upgrade Sound upgrade Analog VGA upgrade MVX2 Swtiching 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 <i>UPC051497031718</i>
6131	RMK-FN	Rackmounting Kit with front panel and Power supply <i>UPC 051497031732</i>
6132	RMK-FRN	Rackmounting Kit with frontpanel and red. Power supply <i>UPC051497031749</i>
6135 6136 6736	UMK TSB VH	Mounting Kit for under the table Din Rail Mounting Kit 6136 Vesa Mounting



point to point max. distance 150m/492ft in copper

Switching System optional up to 48 endpoints