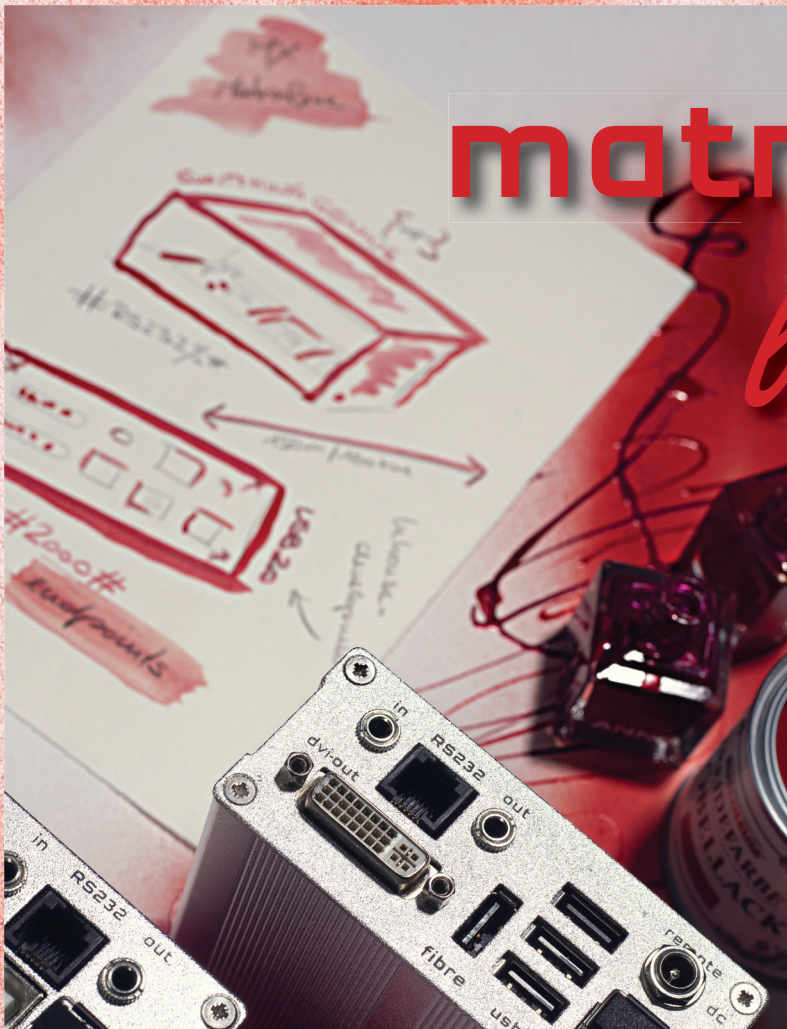


Let's connect!  
KVM can be so simple  
kvm-tec

# matrix

# line-fiber



DVI-I USB 2.0 KVM Extender  
Resolution 1920x1200@60 Hz  
Max.distance 160km/99mi in Fiber  
(SFP Module opt)  
SFP module Multimode up to 500m /1640ft  
alternativ with Single Mode  
up to 20km/12mi  
Full HD videos in real time  
USB 2.0 transparent-  
in house development  
Only one duplex multimode fiber cable (LC)  
for USB and video

[www.kvm-tec.com](http://www.kvm-tec.com)

The highly optimized KVM Extender over IP has a range of 160km/99mi at a resolution of 1920x1200 @ 60 Hz and is available in fiber as single version. The perfect tuning of kvm-tec video compression with a low latency allows a delay-free transmission of the signals. USB and video is transmitted via one cable. DVI extension without loss of quality. Full HD videos can be transmitted in real time.

All upgrades such as USB memory, sound, RS232, analog VGA-as DVI transfer are already included.

With the included switching upgrade up to 2000 endpoints, the MX 2000-F Extender can be integrated into a matrix switching system in conjunction with a standard network switch. The intelligent software kvm-tec Switching Manager enables convenient management and intuitive operation of KVM extenders in the switching system. A Windows PC or Tablet with network interface is required for commissioning and operating the software.

USB2.0 in house development

kvm-tec = C<sup>4</sup>



Can be used in the Matrix Switching System up to 2000 endpoints

Automatic Plug & Play installation  
USB save feature

DVI extension without loss of quality

Ultra compact up to 4 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

Warranty 2 years, warranty extension to 5 years possible

kvm-tec  
Softwarefeature

Mouse glide & Switch

up to 8 monitors can be controlled and operated with 1mouse & 1 keyboard

# MATRIXLINE MX 2000 - Fiber

Part No.: 6811

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

## 6811L Local CPU unit



## 6811R 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 cameras, 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

*kvm-tec = C<sup>4</sup>*

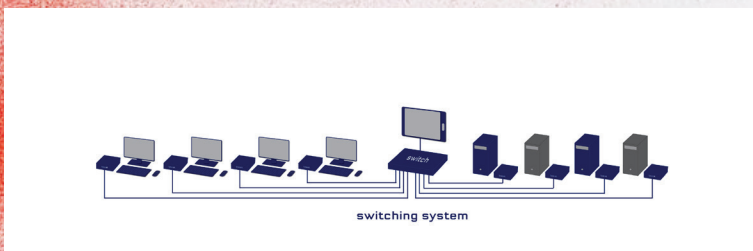


connect collaborate communicate control

## Switching Manager Software

The intelligent software solution from kvm-tec for managing all KVM extenders connected in a matrix switching system up to 2000 endpoints. The local and remote parts can be connected or disconnected by touch or mouse click. For a quick overview the extenders are arranged in an optimized way and the status of the extenders is highlighted in color.

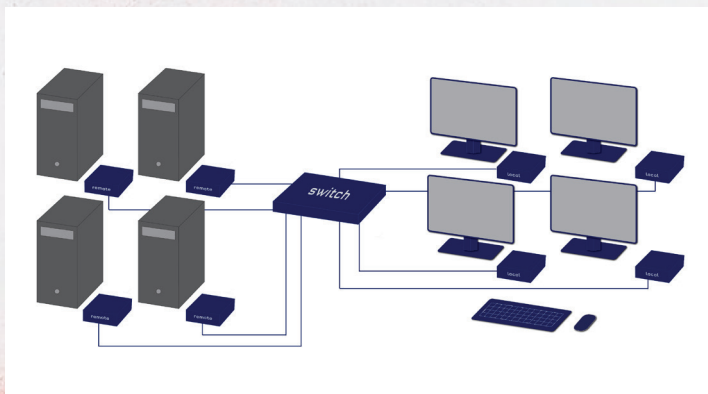
- stores up to 5 various scenarios
- display of the USER sessions
- update management for all extenders in the switching system
- Extender setting definition
- Multihead groups and static partner
- Mouse glide&switch
- 4K Multiview Commander Management
- unlocking kvm-tec upgrades
- displays & Update the current firmware version in the Switching System
- Network environment 1Gigabit Bandwith: IGMP Snooping



## SOFTWARE - FEATURE

### Mouse Glide & Switch

Mouse Glide & Switch - with only one mouse and one keyboard, multiple PCs can be operated from one workstation. The arrangement of up to 8 monitors via the Switching Manager can be horizontal or vertical and is comparable to a virtual desktop wall. With the stand alone solution up to 4 screens/PCs can be operated and controlled.



kvm-tec

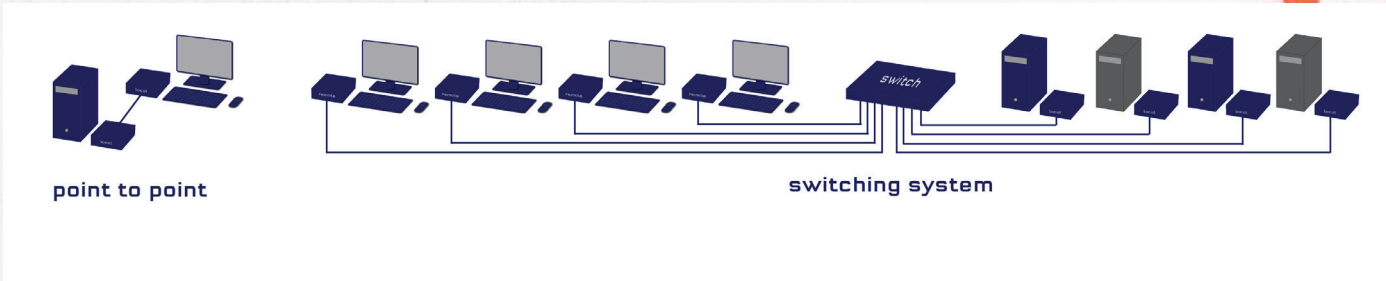
classical

## Technical Specifications

		MX2000 Local/CPU	MX2000Remote/CON
<b>Interfaces</b>	Video	1 x DVD-D in, DVI-I in (no HDCP) 1 x DVI-I out	1 x DVI-D out
	USB 2.0	1 x USB-B zum 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 jack plug (Speaker)
	RS 232	1x RJ11 connector (Adapter RJ11-Sub9)	1x RJ11 connector (Adapter RJ11-Sub9)
<b>Video</b>	Signal type Resolution (digital) Resolution (analog) (opt.) Color mode	DVI-I, DVI-D max. 1920x1200 @ 60Hz 24bit	DVI-D max. 1920x1200 @ 60Hz 24bit
<b>Audio</b>	Type Bandwidth	analog 16bit, 44kHz, 2ch	analog 16bit, 44kHz, 2ch
<b>RS232</b>	Spezifikation Type Rate	Transparent max230 400 TxD, RxD,DTR,CTS	Transparent max 230 400 TxD, RxD,RTS,CTS
<b>USB</b>	Type Rate Signals	USB 2.0 transparent max. 480 Mbit/s mass storage and camera	USB 2.0 transparent max. 480 Mbit/s mass storage and camera
<b>Casing</b>	Material Dimension (W x H x D) Weight	anodized aluminum 97.5 x 40 x 103.5 mm/3,83 x 1,57 x 4,07 inch 302g 0,55 lb	anodized aluminum 97.5 x 40 x 103.5 mm/3,83 x 1,57 x 4,07 inch 291g/0,64 lb
	shipment weight	1,40kg/3.08 lb 0,75 kg/ 1,65 lb	0,60kg/ 1,32 lb
<b>Power Supply</b>	Type	Wall power supply 12 VDC 1A	Wall power supply 12 VDC 1A
<b>Power Input</b>	Operation	6W	6W without USB devices
<b>Operation environment</b>	Temperature	0 to +45 °C /32 to113 °F)	0 to +45 °C (32 to 113 °F)
	Humidity	< 80%, non condensing	< 80%, non condensing
<b>Storage environment</b>	Temperature	25 to 80 °C /-13 to 176 °F	25 to 80 °C /13 to 176 °F
	Humidity	< 80%, non-condensing	< 80%, non- condensing
<b>Cooling</b>		free air convection	free air convection
<b>MTBF</b>		82.820 calculated hours approx.10 years	82.820 calculated hours approx.10 years
<b>Conformity</b>		CE, FCC	CE, FCC
<b>Warranty</b>		2 years (5 years opt.)	2 years (5 years opt.)
<b>Delivery content</b>	Devices	1 x MX2000 local (CPU)	1 x MX2000 remote (CON)
	Power Supply	1 x Wall power supply 12V 1A (EU-plug) or INT plug	1 x Wall power supply 12V 1A (EU-plug) or INT plug
	Cables	1 x DVI - DVI cable 1.8m (5,9ft) 1 x USB A-B cable 1.8m (5,9ft)	
	SFP modules	1 x SFP module multimode up to 500 m /1640ft	1 x SFP module multimode up to 500 m /1640ft
	Mounting	4 x rubber feet	4 x rubber feet
	Manual	Quicxinstallation manual download: <a href="http://www.kvm-tec.com/support">www.kvm-tec.com/support</a>	

## Part Number & short description

Part No	OrderNo	short description
6811L 6811R	MX1FL2000 MX1FR2000	Matrixline Extender Single -Local Unit (CPU) UPC 051497031565 Matrixline Extender Single -Remote Unit (CON) UPC 051497031572
4003	KVM-SM480	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
<b>ADD-ONS</b> 6130 6131 6132	RMK-F RMK-FN RMK-FRN	Rack Mounting Kit wiith front panel UPC051497031718 Rack Mounting Kit with front panel and Power supply UPC 051497031732 Rack Mounting Kit with and red. Power supply UPC051497031749
6135 6136 6736  <b>SFP-Module</b> 7009 7010 7007 7011  6835	UMK TSB VH  LWLMM LWLSM20 LWLSM80 LWLBIDI  AL MVX-F-SM	Mounting Kit for under the table Din Rail Mounting Kit Vesa Mounting  LWL Multi Mode - SFP Module up to 500m/160 ft LWL Single Mode - SFP Module up to 20km/12mi LWL Single Mode - SFP Module uo to 80km/49mi LWL Single Mode - SFP Module BiDi Set 20km/12mi  Alternativ Single Mode Module up to 20km/12mi



point to point max. distance 160km/99mi in fiber

Switching System up to 2000 endpoints