Master
line-dual-fiber

MVX2-F

DUAL DVI-D DVI-I USB 2.0 KVM Extender

Resolution 1920x1200@60 Hz

Max. Distance 160km/99mi in Fiber

1x SFP module Multimode up to 500m/1640 ft.

Alternativ with single mode up to 20km/12mi

Full HD videos in real time

USB 2.0 transparent- in house development

Only two duplex multimode fiber cables (LC) 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 500m/1640ft (with SFP up to 160 km/99mi) at a resolution of 1920x1200 @ 60 Hz and is available in fiber 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 are transmitted via two duplex multimode (LC) fiber 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 MVX2-F can be integrated with standard components in Matrix Switching Systems up to 48 endpoints

kvm-tec = C^4

connect   collaborate   communicate   control

.... smart connections

USB save feature

Automatic Plug & Play installation

DVI extension without loss of quality

Ultra compact up to 2 extender 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
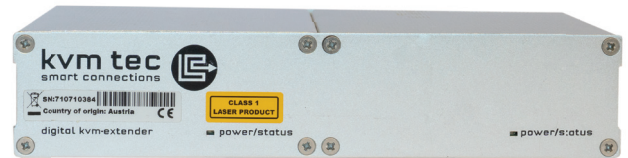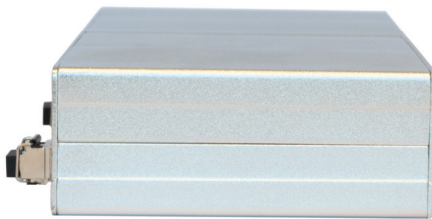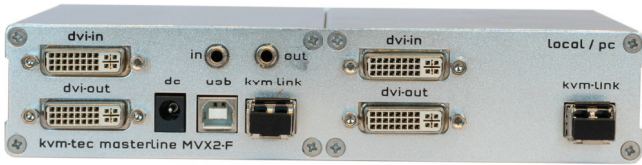
kvm-tec upgrades
Pre-installed &unlockable

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

MASTERLINE DUAL FIBER MVX2 -F

Part.No.: 6802

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

6802FL Local CPU unit

6802FR 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 Environemt; 1 or 10 Gbit bandwith

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 high-lighted 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 re-duced 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 com-pression without latency, only one cable for USB and video trans-mission ,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

$$kvm\text{-}tec = C^4$$
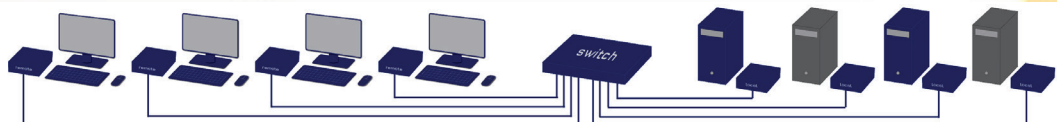
connect   collaborate communicate control

MASTERLINE DUAL FIBER MVX2 -F
Part.No.: 6802

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Technical Specifications

Interfaces		MVX2-F Local/CPU	MVX2-F Remote/CON
Interfaces	Video	2 x DVI in (no HCDP) 2 x DVI out	12x DVI-D out
	USB 2.0	1 x USB-B to PC	4 x USB-A (devices)
	Audio	1 x 3,5mm jack (Line In) 1 x 3,5mm jack (Line out)	1 x 3,5mm jack Line In) 1 x 3,5mm lack (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) Weight Weight for shipment SET2,05kg/4,51 lb	anodized aluminum 198 40 x 103,50 mm/ 7.79 x 1.57 x 4.07 inch 604g/1,33 lb 1,00kg 2,02 lb	anodized aluminum 198 40 x 103,50 mm/ 7.79 x 1.57 x 4.07 inch 582g g/1,28 lb 1,05 kg /2,06 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 Humidity	0 bis +45 °C /32 to 113 °F < 80%, non -condensing	0 bis +45 °C /32 to 113 °F < 80%, non- condensing
Storage envirnoment	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 Power Supply Cables SFP Module Mounting Manual	1 x MVX 2-F local (CPU) 1 x wall power supply unit l 12V 2A (EU-plug or INT plug) 2 x DVI - DVI cable 1,8m/5.9ft 1 x USB cable 1,8m/5.9ft 2 x VGA-DVI cable 1,8m/5.9ft (opt) 2 x Audio cable 1,8m/5.9ft)(opt) 2 x SFP Module Multimode up to 500m/1640 ft. (alternativ with Single-Mode up to 20km/12 mi ItemNr 6835) 4 x rubber feet QUICK INSTRUCTION Manual Download: www.kvm-tec.com	1 x MVX2-F remote (CON) 1 x wall power supply unit l 12V 2A (EU-plug or INT plug) 2 x SFP Module Multimode up to 500m/1640 ft. (alternativ with Single-Mode up to 20km/12 mi ItemNr 6835) 4 x rubber feet

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Part Number & Short Description

Part Nr	Order Nr	short description
6802	MVX2-F	*Masterline Extender Dual Fiber – Set* UPC 051497031794
6802L	MVX2L-F	*Masterline Extender Dual Fiber –Local Unit (CPU)* UPC 051497032487
6802R	MVX2R-F	*Masterline Extender Dual Fiber–Remote Unit (CON)* UPC 051497032494
6844	MVX2-MO	USB Memory upgrade
6846	MVX2 -S	Sound upgrade
6847	MVX2- VGA	Analog VGA upgrade
6849	MVX2-SWO	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	GV5JU	Warranty extension to 5 years per UNIT
9002	GV5J	Warranty extension to 5 years per SET
ADD-ONS		
6130	RMK-F	Rack Mounting Kit with front panel UPC051497031718
6131	RMK-FN	Rack Mounting Kit with front panel and Power supply UPC 051497031732
6132	RMK-FRN	Rack Mounting Kit with front pane and red. Power supply UPC051497031749
6135	UMK	Mounting Kit for under the table
6136	TSB	Din Rail Mounting Kit 6136
6736	VH	Vesa Mounting
SFP Module		
7009	LWLMM	LWL Multi Mode - SFP Module up to 500m/160 ft
7010	LWLSM20	LWL Single Mode - SFP Module up to 20km/12mi
7007	LWLSM80	LWL Single Mode - SFP Module up to 80km/49mi
7011	LWLBIDI	LWL Single Mode - SFP Module BiDi Set up to 20km/12mi
6835	AL-MVX2-F-SM	alternativ Single Mode Module up to 20km/12mi

point to point

switching system

point to point max distance 150m/492ft

Switching System optional up to 48 endpoints

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