

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

... FLEXline
kvm-tec customized System

MASTERflex is the universal product from FLEXline the clever customized KVM System from kvm-tec. All FLEXline Extender have an ultra slim casing, are available in a single and dual version, have embedded sound and are compatible with standard network components and are delivered with kvm-tec Switching Manager Software - switch up@work

Flexline saves you space in a rack.
 4 single or 4 dual Extender in 1RU.

USB2.0 in-house development, USB save feature, USB Emulation Mode & USB Sharing



www.kvm-tec.com



... smart connections

DVI-D/DVI-I / USB2.0
 Extender over IP

dual in fiber

max resolution 1920 x 1200 @60 Hz

max distance 160km/99mi i fiber

only two cable for USB and video

sound embedded & sound analog

full HD videos in real time

USB transmission rate max
 480Mbit/s

firmware flash upgrade without
 cable

VGA in - DVI out

DVI extension without loss of quality

4 dual extender in 1RU

Feature - freeze last image

also suitable for 24V systems

MASTERflex dual in fiber

MASTERflex dual is a highly optimized KVM Extender over IP and covers a range of 160km/99mi at a resolution of 1920x1200@60Hz and is available in fiber as dual version

The perfect tuning of kvm-tec video compression with a low latency (<5ms) allows signals to be transmitted without delay. USB and video are transmitted via CAT5e/6/7 cable.

The in-house developed transparent USB 2.0 interface supports supports USB devices like tablets, touch screens, sound modules, printers. The USB upgrade supports USB sticks and USB hard drives. The kvm-tec „USB save“ function prevents virus intrusion via the USB interface by disabling mass storage devices. Sound analog, VGA and USB memory upgrade are preinstalled and unlockable



6023-FL Local CPU unit

6023-FR Remote CON unit

Technical Specifications



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, Cameras for surveillance, 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 fo 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 = C⁴



		MV2-F Local/CPU	MV2-F Remote/CON
Interfaces	Video	2 x DVI in (no HDCP)	2x 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) 1Vpp 1 x 3,5mm lack (headphone) 2 x 10mW@320 Ohm
Video	Signal type	DVI-D	DVI-D
	Resolution (digital)	max. 1920x1200 @ 60Hz	max. 1920x1200 @ 60Hz
	Signal type Resolution (analog) (opt.) Color mode	DVI-I max. 1920x1200 @ 60Hz 24bit	DVI-I max. 1920x1200 @ 60Hz 24bit
Audio	Type	analogue	analogue
	Bandwidth	16bit, 44kHz, 2ch	16 bit, 44kHz, 2ch
USB	Specification	USB 2.0	USB 2.0
	Type	transparent	transparent
	Rate	max. 480 Mbit/s mass storage devices & camera optional	max. 480 Mbit/s mass storage devices & camera optional
Casing	Material	anodized aluminum	anodized aluminum
	Dimension (w x H x D)	108 x 43 x 107,5 mm	108 x 43 x 107,5 mm
	Weight	4.25 x 1.69 x 4,23 inch	4.25 x 1.69 x 4.29 inch
	Shipping weight	295 g / 0.65 lb	295 g/ 0.65 lb
	SET 1895 g /4.17 lb	shipment weight 1005g/2,21 lb	shipment weight 890 g/ 1.96lb
Power Supply	Type	wall power supply unit 12 VDC 1A max 35V	wall power supply unit 12 VDC 1A max 35 V
	Operation	12W	12W without USB devices
Operation environment	Temperature	0 to +45 °C /32 to 113 °F)	0 to +45 °C /32 to 113 °F)
	Humidity	< 80%, non -condensing	< 80%, non- condensing
Storage environment	Temperature	-25 to 80 °C /-13 to 176 F	-25 to 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 MV2-F local (CPU)	1 x MV2-F remote (CON)
	Power Supply	1 x wall power supply unit 12V 1A (EU-plug or INT plug)	1 x wall power supply unit 12V 1A (EU-plug or INT plug)
	Cables	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	
	Modules	2 x SFP module Multimode up to 500m/1640ft	2 x SFP module Multimode up to 500m/1640 ft
	Mounting	(alternativ with Single-mode up to 20km/12mi Item 6835	(alternativ with Single-mode up to 20km/12mi Item 6835
	Manual	4 x rubber feet	4 x rubber feet
		Quickinstallation manual download: www.kvm-tec	

master

Part No.: 6023

flex

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Part Number & Short Description

Part No.	Order No.	Short description
6023	MV2-F	Masterflex Extender Dual Fiber – Set EAN 0798190109160 UPC 051497112974
6023L	MV2-FL	Masterflex Extender Dual Fiber –Local Unit /CPU EAN 0798190109206 UPC 051497112981
6023R	MV2-FR	Masterflex Extender Dual Fiber –Remote Unit /CON EAN 0798190109213 UPC 051497112998
6041	MV-SO	MASTERflex sound upgrade EAN 0798190109220 UPC 051497113001
6042	MV-VGA	Masterflex analog VGA upgrade EAN 0798190109237 UPC 051497113018
6043	MV-MO	MASTERflex USB memory upgrade EAN 0798190109244 UPC 051497113025
9003 9002	GV5JU GV5J	Warranty extension to 5 years per UNIT Warranty extension to 5 years per SET
ADD-ONS 6231	UMK-FLEX	Rack Mounting Kit for under the table for FLEXline EAN 0798190109466 UPC 051497113247
6232	RMK-FLEX-F	Rack Mounting Kit with front panel for FLEXline EAN 0798190109473 UPC 051497113254
6233	RMK-FLEX-FN	Rack Mounting Kit with front panel and Power supply EAN 0798190109480 UPC 051497113261
6234	RMK-FLEX	Rack Mounting Kit with front panel and redundand Power supply for FLEXline EAN 0798190109503 UPC 051497113285
6235	DINMK-FLEX	Din Rail Mounting for FLEXline EAN 0798190109510 UPC 051497113292
6236	VH -FLEX	Vesa Mounting Kit for Flexline EAN 0798190109527 UPC 051497113308
6835	AL-MV2-F-SM	alternativ Single mode module up to 20km/12mi



point to point

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



switching system

Switching System up to 100 endpoints