Let's connect!

KVM can be so *simple*

kvm-tec

master flex

www.kvm-tec.com

... smart connections

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

max resolution 1920 x 1200 @60 Hz

max distance 150m/492ft

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

PoE Version (Switch supports PoE)

also suitable for 24V systems

MASTERflex dual in copper

MASTERflex dual is a highly optimized KVM Extender over IP and covers a range of 150m/492ft at a resolution of 1920x1200@60Hz and is available in copper as dual version. For point to point connection or in Matrix Switching Systems up to 100 endpoints.

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 sceens, 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

$kvm\text{-}tec = C^4$

connect   collaborate   communicate control

master *flex*
Part No.: 6022

KVM can be so *simple*
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6022L Local CPU unit

6022R 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, Cameras for surveillance, video walls and much more) and operate & control the system with centralized management

    Network Environemt; 1 or 10 Gbit bandwith
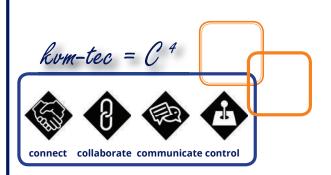
    IGMP Snooping (for videosharing)

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 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

$kvm\text{-}tec = C^4$

connect collaborate communicate control

Technical Specifications

		MV2Local/CPU	MV2 Remote/CON
Interfaces	Video	2 x DVI in (no HCDP)	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) 1Vpp 1 x 3,5mm jack (Line out)	1 x 3,5mm jack Line In) 1 x 3,5mm lack (headphone) 2 x 10 mW@32Ohm
Video	Signal type Resolution (digital) Signal type Resolution (analog) (opt.) Color mode	DVI-D max. 1920x1200 @ 60Hz DVI-I max. 1920x1200 @ 60Hz 24bit	DVI-D max. 1920x1200 @ 60Hz DVI-I max. 1920x1200 @ 60Hz 24bit
Audio	Type Bandwidth	analogue 16bit, 44kHz, 2ch	analogue 16 bit, 44kHz, 2ch
USB	Specification 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 Shipping weight SET 1895 g /4.17 lb	anodized aluminum 108 x 43 x 107,5 mm 4.25 x 1.69 x 4,23 inch 295 g / 0.65 lb shipment weight 1005g/2,21 lb	anodized aluminum 108 x 43 107,5 mm 4.25 x 1.69 x 4.29 inch 295 g/ 0.65 lb shipment weight 890 g/ 1.96lb
Power Supply	Type	wall power supply unit 12 VDC 1A max 35 V	wall power supply unit 12 VDC 1A max 35 V
Power Input	Operation	12W	12W without USB devices
Operation environment	Temperature Humidity	0 to +45 °C /32 to 113 °F) < 80%, non -condensing	0 to +45 °C /32 to 113 °F) < 80%, non- condensing
Storage environment	Temperature Humidity	-25 to 80 °C /-13 to 176 F < 80%, non condensing	-25 to 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 Mounting Manual	1 x MV 2 local (CPU) 1 x wall power supply unit 12V 1A (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 4 x rubber feet Quickinstallation manual download: www.kvm-tec	1 x MV2 remote (CON) 1 x wall power supply unit 12V 1A (EU-plug or INT plug) 4 x rubber feet

Part Number & Short Description

Part No.	Order No.	Short description
6022	MV2	Masterflex Extender Dual – Set *EAN 0798190109138 UPC 051497112912*
6022L	MV2-L	Masterflex Extender Dual –Local Unit /CPU *EAN 0798190109145 UPC 051497112929*
6022R	MV2-R	Masterflex Extender Dual –Remote Unit /CON EAN 0798190109152 UPC 051497112936
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
6033	POE-Set	FLEXline PoE Upgrade Set EAN 0798190109626 UPC 051497113407
6034	POE-Unit	FLEXline PoE Upgrade Unit EAN 0798190109633 UPC 051497113414
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

point to point

switching system

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

Switching System up to 100 endpoints

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