KVM can be so *simple*

# Let´s connect!

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## ... FLEXline
### kvm-tec customized System

USBflex is the active USB extension from FLEXline  the clever customized KVM System from kvm-tec.  All FLEXline Extender have an ultra slim casing, are available in a single version, have embedded sound are compatible with standard network components and are delivered with kvm-tec Switching Manager Software

Flexline saves you space in a Rack.

4 single or 4 dual Extender in 1RU.

# USB flex

USBflex copper

USBflex Extender over IP is the active extension for USB 2.0 high speed signals and has a range of 150m/492 ft. in copper as single version available.

The in-house developed transparent USB 2.0 interface supports supports USB devices like tablets, touch sceens, sound modules, printers, USB sticks and USB hard drives.

The kvm-tec „USB save" function prevents virus intrusion via the USB interface by disabling mass storage devices.

The USBflex Extender can be integrated into a matrix switching system up to 1000 endpoints in conjunction with a standard network switch. With the included Switching Manager software, convenient and intuitive management of KVM extenders in the switching system is possible

## ... smart connections

### USB2.0 Extender over IP

single in copper

max distance 150m/492ft in copper

USB transmission rate max 480Mbit/s

firmware flash upgrade without cable

automatic plug & play installation

PoE Version (Switch supports PoE) for devices in copper

also suitable for 24V systems

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

connect   collaborate   communicate   control
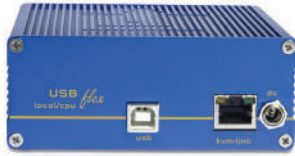
# USB *flex*
## Part No.: 6031

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| 6031L Local CPU unit | 6031R 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 highlighted in color. With the kvm-tec Systems computers and servers ca 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

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**connect   collaborate   communicate   control**

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# USB flex

**Part No.: 6031**

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## Technical Specifications

| | | USBflex Local/CPU | USBflex Remote/CON |
|---|---|---|---|
| Interfaces | USB 2.0 | 1 x USB-B to PC | 4 x USB-A (devices) |
| USB | Specification:<br>Type:<br>Rate: | USB 2.0<br>transparent<br>max. 480 Mbit/s<br>Mass storage & camera | USB 2.0<br>transparent<br>max. 480 Mbit/s<br>Mass storage & camera |
| Casing | Material<br>Dimension (w x H x D)<br>Weight<br>Shipping weight<br>SET 1895 g /4.17 lb | anodized aluminum<br>108 x  43 x 107,5 mm<br>4.25 x 1.69 x 4,23 inch<br>295 g / 0.65 lb<br>shipment weight  1005g/2,21 lb | anodized aluminum<br>108 x  43 x 107,5 mm<br>4.25 x 1.69 x 4,23 inch<br>295 g / 0.65 lb<br>shipment weight  890gg/1.96 lb |
| Power supply | Type | wall power supply<br>12 VDC 1A<br>max 35V | wall power supply<br>12 VDC 1A<br>max 35V |
| Power input | Operation | 6W | 6W without USB devices |
| Operation environment | Temperature<br>Humidity | 0 to +45 °C (32 to 113 °F)<br>< 80%, non condensing | 0 to +45 °C (32 to 113 °F)<br>< 80%, non condensing |
| Storage environment | Temperature<br>Humidity | -25 bis 80 °C /-32 to 113F<br>< 80%, non condensing | -25 bis 80 °C /-13 to 113F<br>< 80%, non condensing |
| Cooling | | Free air convection | Free air convection |
| MTBF | | 82.820 calc hours<br>approx. 10 years | 82.820 calc hours<br>approx 10 years |
| Conformity | | CE, FCC | CE, FCC |
| Warranty | | 2 years (5 years optional) | 2 years (5 years optional) |
| Delivery content | Devices<br><br>Power supply<br><br>Cable<br><br><br><br>Mounting<br><br>Manual | 1 x USB X local (CPU)<br><br>1 x power supply 12V 1A (EU-plug) or<br>   INT plug<br><br>1 x USB cable 1,8m/5,9ft<br><br><br>4 x rubber feet<br><br>Quickinstruction | 1 x USB X remote (CON)<br><br>1 x power supply 12V 1A (EU-plug)<br><br><br><br>4 x rubber feett |

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# Part Number & Short Description

| Part No. | Order No. | Short description |
|---|---|---|
| 6031 | UB1 | USBflex UB-Flex – Set<br>*EAN 0798190109404  UPC 051497113186* |
| 6031L | UB1L | USBflex UB-Flex – Local Unit /CPU<br>*EAN  0798190109411 UPC 051497113193* |
| 6031R | UB1R | USBflex UB-Flex – Remote Unit /CON<br>EAN 0798190109428 UPC 051497113209 |
| 6033<br><br>6034 | POE-Set<br><br>POE-Unit | FLEXline POE Upgrade Set<br>EAN 0798190109626 UPC 051497113407<br>FLEXline POE Upgrade Unit<br>EAN 0798190109633 UPC 051497113414 |
| 9003<br>9002 | GV5JU<br>GV5J | Warranty extension to 5 years per UINIT<br>Warranty extension to 5 years per SET |
| ADD-ONS<br>6231<br><br>6232<br><br>6233<br><br>6234 | <br>UMK-FLEX<br><br>RMK-FLEX-F<br><br>RMK-FLEX-FN<br><br>RMK-FLEX | <br>Rack Mounting Kit for under the table for FLEXline<br>*EAN 0798190109466   UPC 051497113247*<br><br>Rack Mounting Kit with front panel for FLEXline<br> EAN 0798190109473 UPC 051497113254<br><br>Rack Mounting Kit with front panel and Power supply<br> EAN 0798190109480  UPC 051497113261<br><br>Rack Mounting Kit with front panel and redundant Power supply for FLEXline<br>EAN 0798190109503 UPC 051497113285 |
| 6235 | DINMK-FLEX | Din Rail Mounting for FLEXline<br>EAN 0798190109510 UPC 051497113292 |

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