Everything starts with passion
Development is one of our passions and is anchored in the DNA of our technical engineers. (To tell you a secret, we have three passions - the other two are marketing and sales.)
Here are some reasons what makes our kvm-tec products so special!

COST EFFICIENCY
The developers have one goal and that means efficiency in the design of the board and efficiency in the selection of components and FPGA chips. You'd be surprised how long it takes to tinker and design components on the board to create super cost efficiency.

IN HOUSE DEVELOPMENT
Our development team places great emphasis on in-house developments. This makes our products unique and offers an excellent price-performance ratio. We would like to present you some of our own developments - like our Line-to-Line transmission with almost zero latency, how we transmit 4K signals without quality loss with Redrivers, or how it is possible to make a native transmission (uncompressed) also redundant possible, or how you can work from a remote workstation and have full access to the matrix switching system, or how you can connect to an existing KVM system with a single FLEXline local unit and this make your KVM system fit for the future.

We turn complex applications into clever and intelligent KVM solutions and convince with innovative technology and a sensational price-performance ratio for many markets.

Was macht kvm-tec Extender so besonders, was sind unsere boosting Features und warum ist es möglich im Vergleich zu anderen Produkten auf dem Markt ein so gutes Preis-Leistungs-Verhältnis zu haben?

BOOSTING FEATURES
The kvm-tec development team has set itself another goal:
To give each KVM extender a very special touch and thus develop innovative features that enrich the KVM world. Through our own developments in the field of video compression, video transmission and USB transmission, we have managed to perfectly match these 3 factors and thus we have the greatest possible flexibility in the USB area and can therefore also offer the shortest mouse monitor latency on the market with perfect video compression. (<2ms) for our new generation of Full HD Extender FLEXline and EASYline the latency is 1.38 ms
You like it in the short version, then read our USP Overview
You want to tune in deeper into KVM Know How? Then just have a look at our website www.kvm-tec.com in the sector Know-how Transfer.

KVM TEC DISTRIBUTORS & SALES PARTNER
Our authorized kvm-tec distributors in the KVM Global concept have built up a lot of know-how about kvm-tec products and each of our distributors is an expert in his field. . . .

Contact one of our local partners, or get connected from our headquarters.
office@kvm-tec.com
phone +43 2253 81912
kvm-tec Products

**FLEXline - the customized system**
SMARTflex MASTERflex
MAXflex USBflex, IndustryFLEX
KVM Extender over IP in full HD, single & dual, redundant, Fiber & copper. Switching System up to 100/1000 endpoints

**SMARTflex MASTERflex**
KVM Extender over IP in full HD, single & dual, redundant, Fiber & copper. Switching System up to 100/1000 endpoints

**MAXflex USBflex, IndustryFLEX**
KVM Extender over IP in full HD, single & dual, redundant, Fiber & copper. Switching System up to 100/1000 endpoints

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**The KVM Local Unit**
for Zero Space in the Rack
KVM Extender- Transmitter over IP in DVI-D, USB in CATx

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**EASYLINE - tune in the easy KVM world**
for Matrix Switching Systems up to 56 endpoints without User system
smartEASY single & dual copper
masterEASY single & dual in copper and fiber

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**media4Kconnect**
the engineered system
media4Kconnect DP1.2
redundant & uncompressed
4K Displayport extender Fiber

**media4Kconnect DP1.2**
redundant & uncompressed
4K Displayport extender Fiber

**Special with RS232 and sound analog**
media4Kconnect DP1.2
redundant & uncompressed

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**12GSDI - 4K**
Ultralong 12GSDI - 4K Extender
Max. SDI Input/Output Distance 75m @ 11.88Gbps
Local 12G SDI Output
SCALABLE LINE
With the freely scalable ScalableLINE in 4K/5K and Full HD, there are almost no limits to the system architecture of a KVM system in the Situation Room. Up to 16 sources can be assigned arbitrarily via the user interface, displayed on one monitor, scaled arbitrarily and operated. PIP and overlapping windows, cut it out - parts of an image can be cut out and and and and.

4K MULTIVIEW COMMANDER CLASSICLINE
content from 4 sources can be controlled and operated with one mouse and one keyboard on one 4K screen

GATEWAY
Access to virtual machines

GATEWAY2GO
Real Remote Workplace & Home Office
Real remote access to the KVM switching system
Windows App
MATRIX SWITCHING SYSTEMS & SIMULTANEOUS DOWNSCALING

MATRIX SWITCHING SYSTEM
Superfast switching without time delay for matrix
Switching systems up to 2000 endpoints and more
Systems with standard network components

MATRIX VARIO SYSTEM
Simultaneous Downscaling from 4K to Full HD
4K sources can be displayed simultaneously in 4K and
with downscaling in Full HD on the remote unit

SWITCHING MANAGER & API

Switching Manager Software
the web-based Switching Manager software

API Service for Switching Manager
for the connection to your software

KVM SECURITY

KVM Secure Hardware Separator
for the complete separation of the dedicated network from the outside world
(Office network, WAN, Internet)
The KVM Local Unit for Zero Space in the Rack
KVM Extender- Transmitter over IP in DVI-D, VGA,USB in CATx

EcoSmart is a highly optimized transmitter (local) KVM extender for zero space in the rack. EcoSmart in CAT version for distances up to 150m/492ft and resolutions up to 1920 x 1200 @60 Hz. EcoSmart is compatible with standard network components. Can be used in KVM4Future matrix switching system up to 2000 endpoints or for point to point connections.

Power can be supplied via USB or an external power supply.
In-house developed USB 2.0 technology allows great flexibility in connecting to USB HID devices, such as mice and keyboards, tablets, etc.
EcoSmart is like all kvm-tec extenders too fast for slow latencies - latency 0.47 ms
With perfect in-house developed video compression, lossless video and audio transmission (embedded sound) is possible.

Good vibes with EcoSmart and Gateway2go
It couldn't be simpler - plug EcoSmart into the server room and via a VPN tunnel a point to point connection to Gateway2go is possible - no matter where your workstation is, in the office, at home etc - the good vibes of EcoSmart and Gateway2go enable a remote point to point connection with zero Space wherever it is needed.

powered by USB
**Full HD Extender without User system**

**FULL HD - KVM EXTENDER OVER IP**
Tune in the easy KVM World

**smart connections**
- DVI-D, USB2.0
- KVM Extender over IP
  - Single or Dual in copper CATx & Fiber
  - max resolution 1920 x 1200 @60 Hz
  - max. distance 150m/492ft
  - only one cable for USB and Video
  - Sound embedded
  - Full HD Videos in real time
  - USB transmission rate max 480Mbit/s
  - Firmware flash upgrade without cable
  - DVI extension without loss of quality
  - freeze last image Feature (red frame)
  - Switching & VGA included
- Single Units: redundant for point to point, in the Matrix Switching System with Switch
- Upgrades: USB & Sound

**KVM Extender Full HD DVI, DVI-D, KVM Extender VGA & KVM Extender USB in CATx & Fiber, single & Dual**

**smart connections**
- Easyline - the easy going KVM Extender in Full HD from kvm-tec. For point-to-point connections and smaller matrix switching systems up to 56 endpoints. No user system necessary, embedded sound, 4 single or 4 dual in 1RU, copper and fiber, embedded sound Video sharing, USB sharing, Multihead.

**Easy Switching without Switch**

With **Frontbridging**, 2 local EASYline Extenders can be bridged to 1 remote dual Extender (2 network sockets) & thus one or two screens can display the contents of the PCs simultaneously with different images and can be operated either right or left.

- 2 local single Units + 1 remote dual Unit = Bridging or Switching on 1 or 2 screens

With **Backbridging**, from one dual local extender can be shared to two single remote extenders. For all applications that require monitoring at different locations.

- 1 dual local Unit + 2 remote Units = Bridging or Sharing on 1 or 2 screens

**Easy Cross Move - Software feature**

Both PCs can be operated with one mouse and one keyboard.

- 2 local Units + 1 remote Unit = Easy Cross Move with 1 keyboard & 1 mouse
FLEXline is 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 are compatible with standard network components and are delivered with kvm-tec Switching Manager Software - switch up@work. FLEXline saves space in a rack. 4 single or 4 dual Extender in 1RU Features - freeze last image, MAXflex with included mouse glide& switch as software feature.

USB2.0 In-house development, USB save feature, USB Emulation & USB sharing.
The perfect video compression developed by kvm-tec enables almost a zero latency time (<5ms) FLEXline single Extender are redundant.

POE Upgrade (Switch supports POE) for all single and dual FLEXline Extender in copper also available for 24V systems.
4K Displayport 1.2 Extender over IP in fiber with a range of 300m/984 ft - 120km/74mi at a resolution up to 4096x2160 @ 60Hz with perfect color coding at 4:4:4 @ 8 bit per color. 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 with only one cable. 4K videos can be transmitted in real time. For Matrix Switching Systems up to 2000 endpoints, included kvm-tec Switching Manager Software - switch up@work- for intuitiv management in the Switching System.

SOFTWARE FEATURE
MOUSE GLIDE & SWITCH
up to 16 monitors can be operated with one mouse and one keyboard

media4Kconnect uncompressed
4K DP1.2 Extender with real uncompressed module for uncompressed transmission without any artefacts.

The perfect video transmission allows a delay-free transmission of the signals. Even extreme bit patterns are transmitted true to the original.

4K Extender DP1.2 with redundant secure module
reliability for critical applications with redundant secure module
in case of failure of a network it is possible to switch immediately to the redundant network

SOFTWARE FEATURE
MOUSE GLIDE & SWITCH
up to 16 monitors can be operated with one mouse and one keyboard

media4Kconnect is available in different versions, as stand alone 4K Extender, with an uncompressed module or with a redundant module.

With the unique kvm-tec modular system the media 4Kconnect extender with the ultraslim housing is unbeatable in price and performance as well as in the possible fields of applications.

media4Kconnect is available in different versions, as stand alone 4K Extender, with an uncompressed module or with a redundant module.
5K resolution media4Kconnect

Super Ultrawide resolution of 5120x1440 at 60Hz
USB 2.0 technology (developed in-house)
< 0.47ms latency time
for media4Kconnect: compressed and uncompressed

A new Standard is born
uncompressed redundant

If one port fails, there is NO black screen as the other port immediately takes over.
If something is wrong, immediate notification.
Since there is almost no noticeable difference between compressed and uncompressed, the link failure could be easily overlooked.
media4Kconnect special

4K Displayport Extender 1.2 Extender over IP in Fiber with a resolution of 4096 x 2160 @ 60Hz with a perfect color coding with 4:4:4@8 bit per color. The perfect tuning of kvm-tec video compression with a low latency - 0.47ms allows a delay free transmission of the signals. USB and video is transmitted over one cable. 4K videos in real time. Great flexibility with USB devices as USB2.0 was developed in-house.

Ultra compact up to 4 extenders in 19" 1RU
USB transfer rate max 480 Mbit/s
Warranty extension up to 5 years
keep it simple and buy what you want redundant and uncompressed can also be activated later on

sound embedded / opt analog
RS232, sound analog & embedded

Software feature: Mouse glide & Switch
12G SDI Interface Extender over IP in Fiber with a range of 300m with a max resolution of 3840 x 2160 @ 60Hz with a perfect color coding with 4:2:2@10 bit per color. Perfect tuning of kvm-tec video compression with a low latency - 0.47 ms enables a delay-free transmission of signals. USB and video is transmitted over one cable. 4K videos in real time.

The 12G SDI media4Kconnect extender with the ultra-slim housing is unbeatable in price-performance, as well as in the possible areas of application. 12G SDI media4Kconnect is available in different versions. As a stand alone 4K extender or as an uncompress or redundant version.

12G SDI media4Kconnect is also available in a redundant or uncompressed version. The 12G SDI media4Kconnect in the redundant secure variant guarantees fail-safe operation for critical applications.

The 12G SDI media4Kconnect with real uncompressed enables transmission without artifacts even with extreme bit patterns.

Flexible due to USB 2.0 technology developed in house.

Software feature: Mouse glide & Switch

in a set combinable with media4Kconnect remote & Scalable Line remote
The new KVM Dimension - 4K and Full HD can be flexibly combined and up to 16 sources can be displayed, operated and scaled.

For Full HD sources, MAXflex dual local with Scalable Remote Unit becomes ultra-flexible the remote unit of ScalableLine. For 4K applications, Scalable Local is combined with Scalable Remote. Flexible - more flexible - most flexible is that HD and 4K can be used together for the different sources

ScalableLine 4K - Displayport 1.2 extender remote or local over IP in fiber with a range of 300m/984ft at a resolution of 4096x2160 @ 60Hz with a perfect color coding with 4:4:4 @8 bit per color. The perfect tuning of kvm-tec video compression with a low latency - 0.47ms enables a delay-free transmission of the signals. USB and video is transmitted over one cable. 4K videos in real time. Great flexibility with USB devices as USB2.0 was developed in-house.

VideoWall functions with Scalable Line
ScalableLine 4K Extender with the ultraslim housing enables video wall functions at an excellent price - performance ratio without additional hardware. Switching up to 2000 endpoints (expandable with endpoint packages). Compatible with standard 10G network switches. Switching can be done either via the OSD menu with shortcut keys, or directly via the switching manager.

The intelligent software kvm-tec Switching Manager enables a comfortable management and intuitive operation of all KVM extenders in the switching system. A Windows PC or tablet with network interface in the network is required for the installation and operation of the software. sound embedded / sound analog RS 232 Software feature: Mouse glide &Switch 4Units in 1 RU

The kvm-tec ROAD for a flexible Systemarchitecture

Cut it out
Parts of images can be cropped and be displayed

zoom & work
each source can be upscaled / downscaled and operated

Assignment of any sources via the user interface

Assignment of any sources via the user interface
4K Multiview Commander

4K Multiview Commander Classicline
4 Sources + 1 Screen =
4K Multiview Commander for
Control Rooms

Classicline 2000. with 4K Multiview Commander software feature allows video signals from 4 different PCs to be displayed on just one 4K monitor simultaneously. The USB signals can be routed to the appropriate PC depending on the mouse position. With the 4K Multiview Commander, depending on the resolution, up to 4 different PCs can be controlled and operated with one 4K monitor. Also with different operating systems. Operations System independent
e.g. Linux Windows

the kvm-tec solution for
Control Rooms

From remote/CON up to 120km/77mi
Compatible with standard networks
Zoom function - any part of the screen can be enlarged to full screen size
Red frame - for easier operation, a red frame is displayed for orientation when changing screens
Ergonomic workstations for many control room applications

4K Sources on one 4K Screen

up to 8 Multiview Commander are combinable

Mouse glide & switch

Mouse glide & switch Sharing

The SOFTWARE FEATURE
4K Ultraline and Matrixline

The 4K Multiview Commander is an additional feature for the 4K KVM Extender. The feature allows video signals from different PCs to be displayed on only one 4K monitor at the same time. With the kvm-tec innovation, the PCs can also be controlled and operated via the kvm-tec transparent USB 2.0 transmission. This feature is unique in the world. By cleverly managing the USB transmission, kvm-tec has succeeded in making each screen content individually usable as well. The USB signals can be routed to the appropriate PC depending on the mouse position. With the 4K Multiview Commander, depending on the resolution, up to 4 different PCs can be controlled and operated with one 4K monitor. Even with different operating systems.

This innovative kvm-tec feature enables ergonomic and space-saving work with 4k applications in control and monitoring rooms. The 4K Multiview Commander is available stand alone or in configuration with the Switching Manager.

Operations System independent - e.g. Linux Windows

SOFTWARE-FEATURE
for 4K Ultraline DP1.2 and Matrixline local unit
copper or fiber
kvm-tec Gateway - the perfect combination of a real-time KVM system and a flexible remote desktop system. The gateway has the similar function of a thin client and in combination with MATRIX or MAXflex Local Extender it is the ideal combination with virtual machines in the switching system. With kvm-tec Gateway the connection to virtual machines or remote PCs outside the Switching network is possible.

Gateway can connect to virtual machines. 4 Login data can be stored and retrieved via hotkey. For so many users who want to work with virtual machines at the same time, one gateway is needed each.

Easy installation - first connect the MATRIXline/MAXflex/4KULTRAline remote unit, then select the RDP or VNC protocol at the kvm-tec gateway and enter the credentials and connect to the desired PC. RDP and VNC are available as standard protocols. Other protocols are on request.

kvm-tec Gateway2go - the Windows App is an innovative software solution that allows users to connect to the kvm-tec switching network at any time and display a live image of a specific local unit. The app replaces the remote unit of a Matrixline/ MAXflex and with the Gateway2go access the mobility of the user becomes very flexible and thus the control and operation of the extenders in the switching network is simplified. Gateway2go can also be installed in addition to a remote unit and supports Full HD video transmission. Multiple connections can be established simultaneously to enable management of different PCs. Mouse and keyboard data is authenticated in real time and transmitted live to the local part to ensure real-time security.

Compatible with Windows 10.
With the switching upgrade, all extenders can be upgraded to the perfect KVM matrix switch in combination with a standard network switch (the upgrade is pre-installed and can also be activated after delivery with code), much cheaper and much less installation of cables. The Matrix Switching System can be intuitively connected, managed and controlled via the OSD menu or the kvm-tec Switching Manager software. A Windows PC or Tablet with network interface is required for commissioning and operating the software. Any number of switching managers can be used in a switching system.

The features included in the kvm-tec Switching Manager software, such as Mouse glide & switch - Live Preview and 4K Multiview Commander (NEW worldwide - up to 4 PCs can be controlled and operated via one 4K monitor) increase the security of applications in areas, where system control is required. (e.g. applications in medical areas, tunnel traffic monitoring, emergency control rooms). Very comfortable, ergonomic and intuitive operation is thus possible in monitoring and control rooms as well as in the medical field and offers decisive advantages in terms of safety.

Super fast switching in separate network via OSD menu or Switching Manager Software

**In House Development**

The KVM-TEC Matrix Switching System communicates via IP between the individual endpoints (local/CPU or remote/CON), as well as with the KVM-TEC Switching Manager, Gateway2Go and API. Sharing of videos is realized via the IGMP function of the switch via multicast. Each endpoint joins a multicast group, even if only one connection is established. This process is repeated cyclically so that the switch keeps the multicast group active. One exception is the Gateway2Go, which uses unicast and communicates via UDP just like the other devices.

The following UDP ports are required for the transmission:

- Port number 53248 (0xD000) to 53260 (0xD00C)
- Port number 50000 (0xC350)

These ports must be taken into account when configuring the firewall. For the connection via WAN a secured VPN connection is necessary.

DHCP management of IP addresses is supported by the KVM-TEC Matrix System, static IP addresses are possible, internal default address range and assignment of IP addresses via a DHCP server.

To meet all these requirements, the use of Layer 3 switches is recommended.

**Network Environment**

Usable in separate network by means of 1 Gigabit switch. 1 Gigabit bandwidth is required from any port to any other port. IGMP Snooping

4K KVM Extender requires 10 Gigabit bandwidth.
In the Matrix vario system, the media4K local unit is the star. Because in the Matrix Vario system, a single local media4Kconnect unit is everybody’s darling on the remote wishlist and two different resolutions can be displayed and edited simultaneously.

The big picture at kvm-tec
KVM 4 Future High performance KVM Systems
All kvm-tec KVM extenders can be combined in any way in the KVM 4Future system: 4K KVM Extender over IP: Scalableline, Media4Kconnect, Ultraline
Full HD Extender over IP: FLEXline, KVM Eco Smart for zero space in the rack + Gateway and Gateway2go

4K sources can be displayed simultaneously in 4K and with downscaling in Full HD on the remote unit. The output of the stream is done at 4K over 10G bandwidth. Two streams are transmitted simultaneously, so the 4K stream has 9 GBIT and the second stream in Full HD 1 Gbit.

The streams can be routed and shared independently and one source can be split to any number of screens. One user has full USB control (keyboard and mouse etc).

Who is for new KVMs? 4K or Full HD?
Many solutions have the disadvantage that a decision between 4K and Full HD has to be made during the planning phase. The Matrix vario system allows 4K to be used where it is needed, making the solution more affordable and flexible to use.
We all learned during the COVID crisis that business continuity is an extremely important factor in all sectors of the economy. It has become clear to all of us that an immediate switch to remote workplaces is a “must” and also that the coverage of additional demand for remote workplaces must be covered over a certain period of time to ensure a smooth workflow.

Thus, with the kvm-tec 4Future REAL REMOTE system, it is also possible to work from remote workplaces in the KVM system.

kvm-tec has also developed a technology to connect the new generation FLEXline Full HD Extender to existing systems to enable modern and crisis-proof workplaces at low cost.

Innovation is needed for crisis-proof KVM systems
REAL REMOTE WORKPLACES & HOME OFFICE
CONNECT COMBINE & GO

We all learned during the COVID crisis that business continuity is an extremely important factor in all sectors of the economy. It has become clear to all of us that an immediate switch to remote workplaces is a „must” and also that the coverage of additional demand for remote workplaces must be covered over a certain period of time to ensure a smooth workflow.

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In the CONNECT COMBINE & GO system, the KVM 4 Future system can also be made to existing KVM systems of other manufacturers, which do not have VNC, RDP or the like.

the connection is made via a single FLEXline local unit and you are already in the future.

kvm-tec Gateway - enables access to virtual machines
The web-based kvm-tec software for the management of all kvm-tec extenders in the Matrix Switching System

Communication in the Web Switching Manager takes place via the API service, which translates the information for the extenders into understandable commands. The Switching Manager can be operated via a web browser or as an app and can be used for a wide range of platforms and operating systems (Windows, Linux).

For the installation a tablet or PC is required and it can be chosen between automatic installation or self-configuration of the web server.

In the case of automatic installation, the API is automatically installed if desired. In the other case, the web server is configured first and then the installation continues. The server for API can also be set up virtually or in the cloud.

**Switching Manager**

**WEB**

**intuitive operation and management**
- kvm-tec extenders in the switching system can be connected, disconnected and shared via the basic commands
- information of all extenders in the network can be queried
- Mouse glide & switch groups can be created and edited and arranged as desired
- Update Service
- the operation of several users is possible
- Main and user rights can be flexibly assigned and defined

**kvm-tec line - to - line transmission of videosignals**

With conventional transmissions, each image is analyzed and transmission only takes place after 4 frames. The analysis of an image takes 16ms and therefore a delay of 64ms results for the transmission.

With kvm-tec image transmission each line of an image is transferred immediately.

**kvm-tec video-compression and USB transmission**

Since the image is compressed in the process developed by kvm-tec, the transmission of a Full HD video requires only 1 Gigabit and thus only one cable. This results in a significant price advantage and low latency for interactive applications. The operation of mouse and keyboard is also without any delay. The advantage of this technology is that the signals can be transmitted via a 1 GBit network switch.

**kvm-tec 4K transmission without delay**

Delay-free transmission, as each image and each line is immediately transmitted using the kvm-tec method, in which the signal is regenerated by a re-driver and brought to the correct level to enable perfect transmission. This process is comparable to a ZIP file, where a lot of information is transferred in a very compact way. As with the ZIP file, kvm-tec converts each pixel and signal into a very compact form transferred and „unzipped“ again. The 4K Extender uses 10 Gbit network technology.

**IN THE BOX...**

**API Interface**

With API Interface the easy integrating in an existing Software or scripting of scenarios is possible. operating system independent. Display of all available information of all extender in the system. Update management of all extenders in the Switching system.

Simple read-out and changes of settings mouse glide & switch management, 4K Multiview Commander management. Activate kvm-tec upgrades. Query & update of the current firmware version in the system, defined based on the open Open API 3.0 standard, easy integration into customer-specific software, callback mechanism for user-defined response to events.

With API Interface the easy integrating in an existing Software or scripting of scenarios is possible. operating system independent. Display of all available information of all extender in the system. Update management of all extenders in the Switching system.

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The KVM SECURE NETWORK Separator is used to completely shield a dedicated KVM matrix network from the outside environment (office network, WAN, Internet). Since the two modules are only internally connected via DVI and USB, it is guaranteed that no network traffic of any kind can enter the other network. The KVM SECURE NETWORK Separator is completely immune to viruses or other attacks from the Internet.

The KVM Secure Hardware Network Separator is the combination of a Flexline Remote part with a Local part.

The KVM SECURE NETWORK Separator simplifies the planning of a large KVM network in a security-critical environment. The KVM network with high bandwidths for 4k video transmission can thus be considered completely isolated as a „hardware matrix”. The switching manager can be operated within the KVM network and can also be administered from outside via a separator.

The KVM SECURE NETWORK separator is compatible with the KVM-TEC UDP switching manager and the Gateway2Go. The remote part can be addressed via multicast IP addresses, the local part via unicast from Gateway2Go via VPN with limited bandwidth.
### ECO SMART Smart Flex

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#### kvm-tec EASY line

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<td>x</td>
<td>single &amp; dual</td>
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<td>-</td>
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<td>incl</td>
<td>incl</td>
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- 4 Single or 4 Dual Units in 1 RU incl Softwaremanagement
- no Usersystem necessary
### media4Kconnect + SPECIAL

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<td>4096 x 2160@ 60 Hz</td>
<td>4096 x 2160@ 60 Hz</td>
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<td>5K Auflösung</td>
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<td>300m /984ft</td>
<td>300m /984ft</td>
<td>300m /984ft</td>
<td>300m /984ft</td>
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<td>USB</td>
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<td>x</td>
<td>x</td>
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<td>up to 2000 endpoints</td>
<td>up to 2000 endpoints</td>
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<td>x</td>
</tr>
<tr>
<td>19&quot; mountable</td>
<td>4 in 19&quot; 1RU</td>
<td>4 in 19&quot; 1RU</td>
<td>4 in 19&quot; 1RU</td>
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### 12GSDI-4K mediaconnect

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<th>Single Fiber</th>
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<td>Single Fiber</td>
<td>Single Fiber</td>
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<td>3840 x 2160@ 60 Hz</td>
<td>3840 x 2160@ 60 Hz</td>
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<td>300m /984ft</td>
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<td>Signal</td>
<td>USB</td>
<td>USB</td>
<td>USB</td>
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<td>x Q4</td>
<td>x Q4</td>
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<tr>
<td>Sound analog</td>
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<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Mouse glide &amp; Switch</td>
<td>x</td>
<td>x</td>
<td>x</td>
</tr>
<tr>
<td>Matrix Switching System expandable</td>
<td>up to 2000 endpoints</td>
<td>up to 2000 endpoints</td>
<td>up to 2000 endpoints</td>
</tr>
<tr>
<td>RS232</td>
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</tr>
<tr>
<td>Sound analog</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Switching Manager Software</td>
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<td>x</td>
<td>x</td>
</tr>
<tr>
<td>19&quot;mountable</td>
<td>4 in 19&quot; 1RU</td>
<td>4 in 19&quot; 1RU</td>
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<td>Part Nr</td>
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KVM Multiview Commander Systems

<table>
<thead>
<tr>
<th>SCALABLE LINE 4K/5K</th>
<th>SCALABLE LINE FULL HD Fiber</th>
<th>SCALABLE LINE FULL HD Fiber/copper</th>
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<tr>
<td>Single / Fiber / Copper</td>
<td>Single / Fiber</td>
<td>Single / Fiber /copper</td>
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<td><strong>Signal USB</strong></td>
<td>Displayport1.2 USB2.0</td>
<td>Displayport 1.2 DVI USB2.0</td>
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<td><strong>resolution max</strong></td>
<td>4096 x 2160 @ 60 Hz 5K 5120 x 1440 60Hz 4:4:4 8Bit</td>
<td>1920x1200@60 Hz 4:4:4 8 Bit</td>
</tr>
<tr>
<td><strong>Distance Fiber</strong></td>
<td>300m/984ft opt 120 km /77mi</td>
<td>300m/984ft opt 120 km /77mi</td>
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<tr>
<td><strong>Switching Manager Software + OSD</strong></td>
<td>x</td>
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<tr>
<td><strong>USB Memory</strong></td>
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</tr>
<tr>
<td><strong>Sound embedded</strong></td>
<td>x Q4</td>
<td>xQ4</td>
</tr>
<tr>
<td><strong>Mouse glide &amp; Switch</strong></td>
<td>x</td>
<td>x</td>
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<tr>
<td><strong>Matrix Switching System expandable</strong></td>
<td>up to 2000 endpoints</td>
<td>up to 2000 endpoints x</td>
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<tr>
<td><strong>Switching Manager Software</strong></td>
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**4K Multiview Commander**

<table>
<thead>
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<td>1920x1200@60 Hz 4:4:4 8 Bit</td>
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<td><strong>USB Memory</strong></td>
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<tr>
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<td>x Q4</td>
<td>xQ4</td>
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<tr>
<td><strong>Mouse glide &amp; Switch</strong></td>
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<tr>
<td><strong>Matrix Switching System expandable</strong></td>
<td>up to 2000 endpoints</td>
<td>up to 2000 endpoints x</td>
</tr>
<tr>
<td><strong>Switching Manager Software</strong></td>
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<td>x</td>
</tr>
<tr>
<td><strong>19&quot; mountable</strong></td>
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<td>2 in 19&quot; 1RU</td>
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<td>6811L Matrixline local copper 6902R LVX Remote copper</td>
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KVM NETWORK SECURITY

Der kvm-tec SECURE NETWORK Separator dient dazu, ein dezidierter KVM Matrix Netzwerk komplett von der Außenwelt (Office Netzwerk, WAN, Internet) abzuschirmen. Da die beiden Module nur über DVI und USB intern verbunden sind, ist absolut gesichert, dass kein wie immer gearteter Netzwerktraffic in das andere Netzwerk gelangen kann. Der Separator ist völlig immun gegen Viren oder sonstige Angriffe aus dem Internet.

REAL REMOTE SYSTEM

kvm-tec Gateway2Go allows an immediate switch to Remote Workplaces & Home Office is possible and the coverage of additional needs for Remote Workplaces over a certain period of time is possible with Gateway2Go licenses. With the kvm-tec 4Future REAL REMOTE system it is also possible to work from remote workplaces in the KVM system. With the Gateway the access to virtual machines can take place.

CONNECT COMBINE & GO

kvm-tec has also developed a new technology to connect the new generation FLEXline Full HD Extender to existing systems to enable modern and crisis-proof workstations at low cost.

REAL REMOTE SYSTEM

Remote Workplaces & Home Office is possible with Gateway2Go licenses. The kvm-tec 4Future REAL REMOTE system allows working from remote workplaces in the KVM system. With the Gateway, access to virtual machines is possible.

CONNECT COMBINE & GO

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