## Extender Over P product catalog



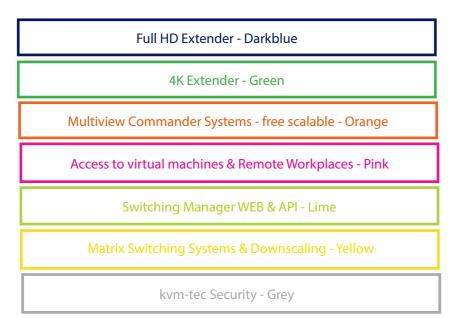
www.kvm-tec.com



## Follow the colors...

The kmv-tec color scheme gives you a great overview of the different product groups. Here in the catalog, on our datasheets and also on our website the colors will show you if you are looking at a FullHD product (darkblue) or if you are discovering the world of our Multiview Commander Systems - free scalable (orange).

Here a quick overview which color belongs to which product group:

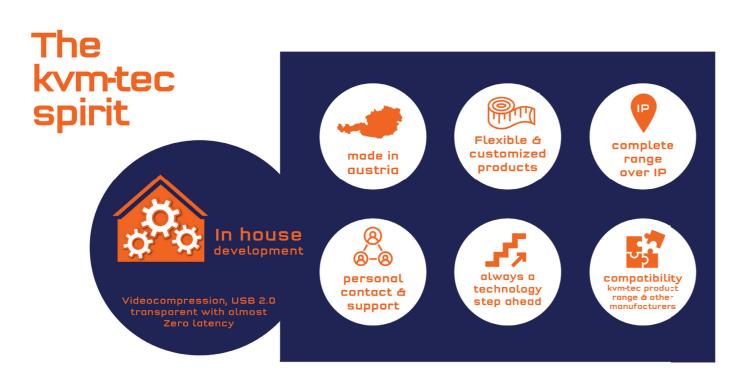


... & now we don't want to keep you from discovering the colorful world of extenders.

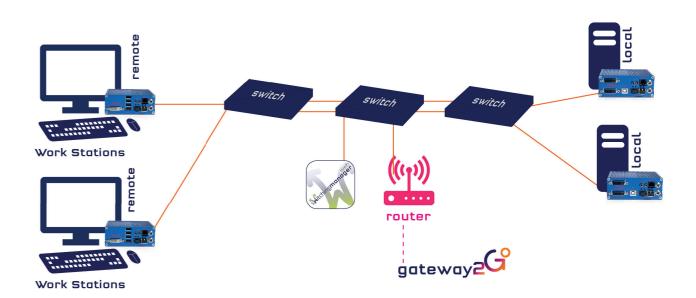
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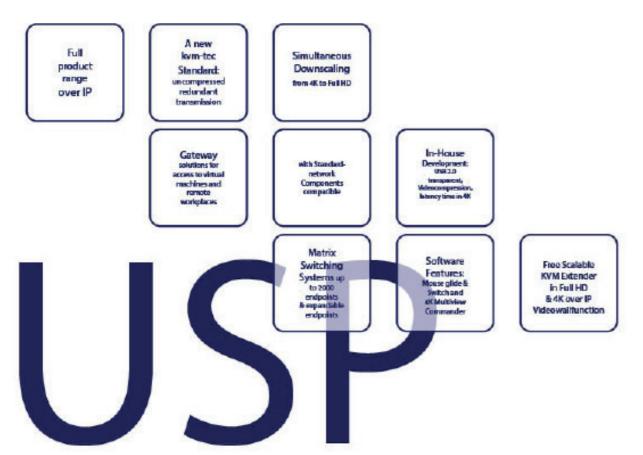
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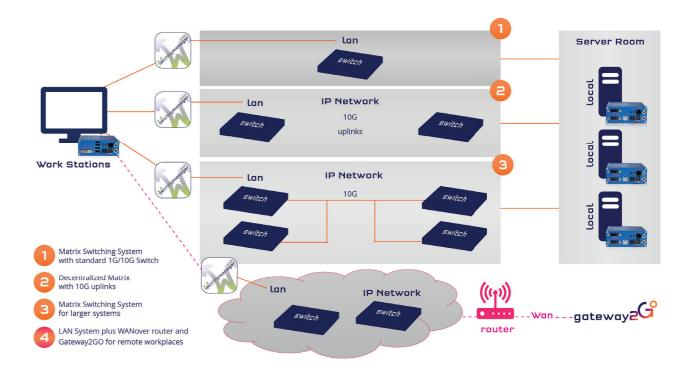
### KVMTechnology OVER IP



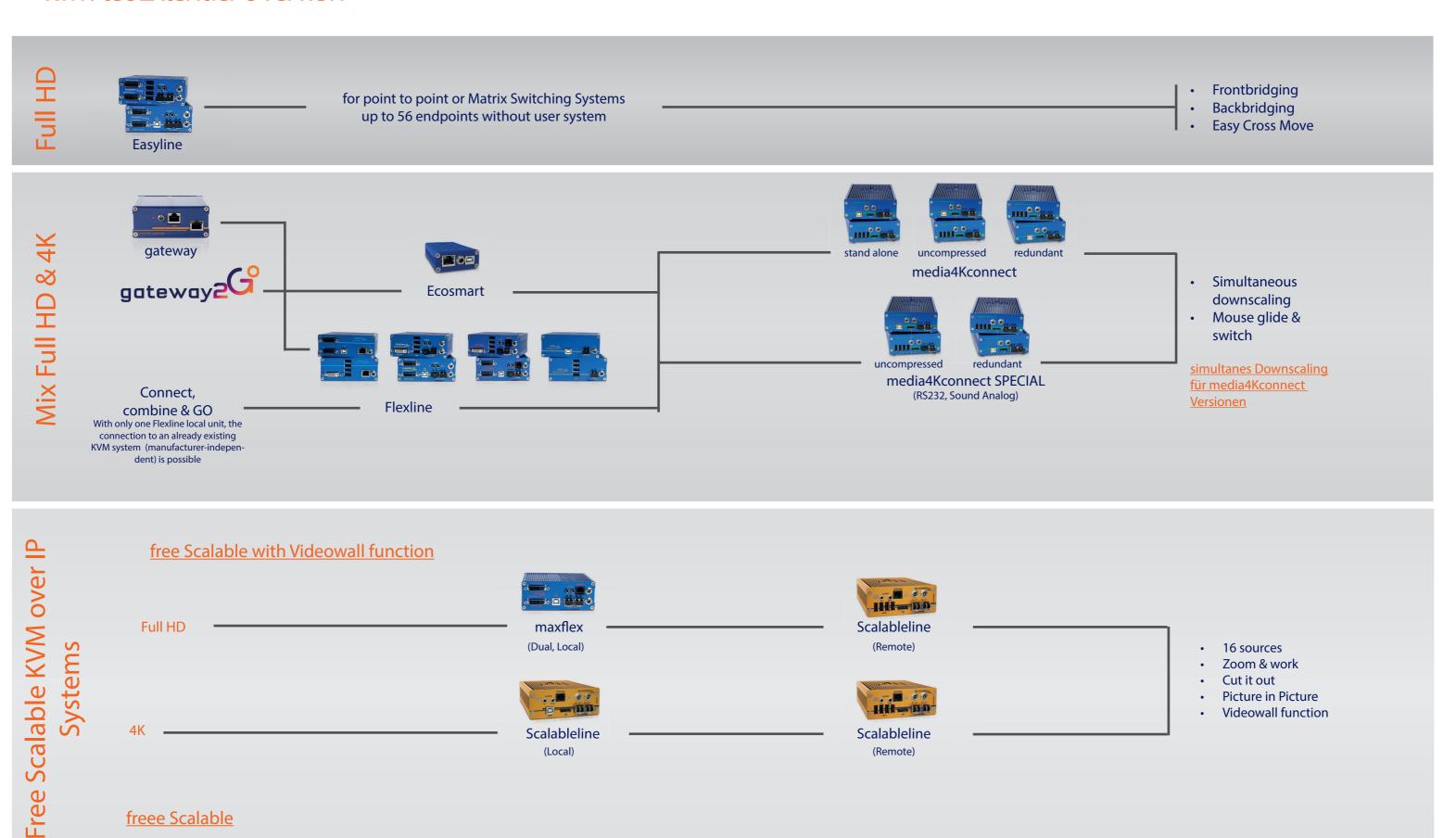
### What makes us special



### Different network possibilities with Gateway2GO



### kvm-tec Extender Overview

























- USB 2.0 transparent
- Sound embedded
- Full HD videos in real time
- Point to point or switching via OSD and Switching Manager
- Mouse glide & Switch
- powered by USB
- Zero space factor for much space in the server room with zero RU
- Upgrade: VGA

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. In the 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 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 the perfect in-house developed video compression a lossless video and audio transmission is possible.









### Easyline - tune in the easy over IP world

KVM Extender DVI, KVM Extender DVI-D & KVM Extender USB in CAT, Single & Dual. Smarteasy and Mastereasy have embedded sound and are compatible with standard network components. Video sharing, USB sharing Multihead resolution 1920x1200@60Hz.

All in one go - matrix switching systems up to 56 endpoints without user system or point to point.

### Single & Dual

Easyline KVM Extender have an ultra slim housing (4 single or 4 dual units in 1RU), are available in single and dual version.

### Latency time

<1.38ms with perfect video compression

### Distances

in copper for distances up to 150m/492ft in fiber for distances up to 160km/99mi

### **Functions and Features**

BRIDGING - easy switching without switch EASY CROSS MOVE - Softwarefeature

USB 2.0 in house development, USB-Save feature, USB Emulation Mode & USB Sharing technology developed by kvm-tec allows a perfect combination between video compression and low (<1.38ms) delay time.

For high security in critical applications Mastereasy single KVM Extender are redundant.

### 24 V Systems

over IP

All Easyline KVM Extender are also suitable for 24V

### smartEasy

smartEASY over IP in single and dual in copper for distances up to 150m/492ft enables delay free transmission with low latency of <1.38ms. USB and video are transmitted over CAT 5e/6/7 cable

### kvm-tec Upgrades

USB Memory



### master **Easy**

masterEASY over IP in single redundant and dual in copper and fiber for distances up to 150m/160km -492ft/99mi enables delay-free transmission with a low latency of <1.38ms USB and video are transmitted over a CAT 5e/6/7 cable or fiber cable

### kvm-tec Upgrades



- analog VGA upgrade











Single - copper



Dual - copper

### Switching without Switch

Tune in **KVM** World



Systems up to 56 endpoints without user system



In frontbridging,



applications that

require monitoring at different

locations

In backbridging, a dual local ex-Easy Cross Move tender can be with one mouse shared with two and one keyboard both PCs single remote extenders. For all can be operated

the easy



one or two monitors can display the contents of the PCs simultaneously with different images and can be operated either on the right or on the left.









FLEXline - the clever customized KVM System from kvm-tec

### DVI-D/ USB 2.0 KVM Extender over IP

All FLEXline extenders have a resolution of 1920x 1200@60Hz, have an ultra slim housing, are available in single and dual version and have embedded sound integrated. They are compatible with standard network components and come with the web-based kvm-tec switching manager software - Basic version. Only one cable for USB and video. Copper and fiber versions.

### Single & Dual

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

### Latency time

<1.38ms with perfect video compression

in copper for distances up to 150m/492ft in fiber for distances up to 160km/99mi

### Functions & Features

Features - freeze last image, MAXflex with included mouse glide & switch as software function, USB2.0 inhouse development USB-save feature, USB emulation and USB sharing

kvm-tec developed technology allows a perfect combination of video compression and low (< 1,38ms) delay time. FLEXline single extenders are redundant.

POE upgrade (POE capable network switch) for all FLEXline extenders in single and dual in copper also suitable for 24V systems, features - freeze last image, mouse glide & switch included with MAXflex.

PoF the KVM extenders can be switched off and on via the network management of the switch. PoF splitters can be used to power kym-tec fiber extenders via PoE over an additional power cable.

USB 2.0 in house development, USB-Save feature, USB Emulation Mode & USB Sharing technology developed by kym-tec allows a perfect combination between video compression and low (<1.38ms) latency time.

### Redundant

For high security in critical applications FLEXline single KVM extenders are redundant.

### 24V Systems

all Flexline KVM Extender are also suitable for 24V systems.









Dual - copper Single - copper

Single - fiber

Dual - fiber

### smartflex

SMARTflex is the smart starter product of the FLEXline and is available in single and dual copper. For point to point connections and matrix switching systems up to 100 endpoints..

### kvm-tec Upgrades:

- **USB Memory**
- Interlaced Upgrade



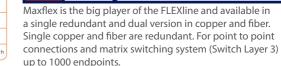
### masterflex

Masterflex is the universal genius of the FLEXline and is available in a single redundant and dual version in copper and fiber. Single copper and fiber are redundant. For point to point connections and matrix switching systems up to 100 endpoints (Switch Layer3).

### kvm-tec Upgrades:

- **USB Memory**
- Sound analog in both directions in CD quality
- analog VGA transmitted as DVI
- Interlaced Upgrade





Mouse glide & switch software features up to 16 monitors can be controlled with one mouse and keyboard.

### kvm-tec Upgrades included

- **USB Memory**
- Sound embedded & sound analog
- RS232
- kvm-tec Upgrade
- Interlaced Modus , PoE, PoF
- Analog VGA transmitted as DVI



Endpoints •

.100

1000

POE

PoF

USBFlex

The USBflex extender is the active USB extension of the FLEXline. USBflex is available in copper and fiber as single version USB transmission rate. For point to point connections and matrix switching systems up to 1000 endpoints max 480Mbit/s.

### kvm-tec Upgrade

Interlaced Modus



Crisis proofed and likes it hot! non-overwriteable flash and redundant. Industryflex is suitable for use up to 55 degrees ambient temperature and is available in a single version in copper and fiber. For point to point connections and matrix switching systems up to 1000 endpoints.

Mouse glide & switch as software feature USB memory, sound embedded & sound analog, RS232 included

### kvm-tec Upgrade

- Interlaced Modus
- Analog VGA transmitted as DVI





### media4Kconnect



single fiber single fiber redundant single fiber uncompressed

## 4KDP1.2

### media4Kconnect 4K KVM DP1.2 Extender over IP

in three versions 4K single DP1.2

- + redundant
- + uncompressed

Ultraslim 4K Displayport 1.2 extender over IP, which is the base of the modular 4K system. resolution of 4096x2160@60 Hz in fiber for distances up to 300m/120km opt, for matrix switching systems up to 2000 endpoints ( Switch Layer3).

Super ultrawide 5K resolution of 5120x1440@60 Hz
Sound embedded

Single Fiber 4 Single Extender in 1RU

Latency time 0,47ms with perfect video compression

Distances for distances up to 300m/984ft - 120km/74mi

Functions & Features mouse glide & switch - Softwarefeatures Functions - freeze last image, USB Save feature

color depth media4Kconnect uncompressed with 4:4:4@10 Bit and uncompressed (native redundant transmission)

media4Kconnect as GAMING EDITION: 240Hz, 10 Bit color depth

Alerting system and DDC-CI

Switching Manager Software
Basic version Switching Manager for the Management of all KVM extender in the Switching
System is included

### D<sub>O</sub>E

PoF splitters can be used to power kvm-tec fiber extenders via PoE over an additional CAT cable.

Upgrade Simultaneous Downscaling 4K sources can be displayed simultaneously in 4K and with downscaling in Full HD on the remote unit

USB 2.0 in house development, USB 2.0 in house development, USB Save feature, USB Emulation Mode & USB Sharing technology developed by kvm-tec allows a perfect combination between video compression and low (<0.47 ms) latency time

24 V Systems

All media4Kconnect KVM extender are also suitable for 24V Systems



**4K** 

### media4Kconnect

4K Displayport 1.2 extender over IP, resolution 4096x2160@60Hz and super ultrawide resolution of 5120x1440@60Hz

SFP+Modul up to 300m/984ft - 120km/74mi opt

### kvm-tec Upgrades:

- Simultaneous Downscaling
- Health Status















### media4Kconnect redundant

4K Displayport 1.2 Extender over IP, redundant, resolution 4096x2160@60Hz and super ultrawide resolution of 5120x1440@60Hz

SFP+Module up to 300m/984ft - 120km/74mi opt color depth 4:4:4@8 bit pro Farbe

### kvm-tec Upgrades:

- Simultaneous Downscaling
- Health Statusl

### media4Kconnect uncompressed

4K Displayport 1.2 Extender over IP, uncompressed,resolution 4096x2160@60Hz and super ultrawide resolution of 5120x1440@ 60Hz

SFP+Module up to 300m/984ft -120km/74mi opt color depth 4:4:4@4 10 bit per color

A new standard is born - uncompressed redundant transmission (if one port fails, the other one takes over immediately)

### kvm-tec Upgrades:

- Simultaneous Downscaling
- Health Status



single fiber redundant single fiber uncompressed

## 4KDP1.2

### media4Kconnect special 4K KVM DP1.2 Extender over IP

4K DP1.2

- + redundant
- + uncompressed

Ultraslim 4K Displayport 1.2 Extender over IP, DP1.2 Extender over IP with a resolution of 4096x2160@60 Hz in fiber for distances up to 300m/984ft - 120km//74mi opt, for matrix switching systems up to 2000 endpoints. Sound analog & RS232

Super ultrawide 5K resolution of 5120x1440@60 Hz Sound embedded

Single Fiber

4 Single Extender in 1RU

Latency time

<0,47ms wit perfect video compression

Distances

for Distances up to 300m/984ft - 120km/74mi opt

Functions & Features

mouse glide & switch - Softwarefeature Function - freeze last image, USB Save feature

Color depth media4Kconnect uncompressed with 4:4:4@10 Bit and uncompressed (native redundant transmission

Alerting system and Helath Status

Switching Manager Software Basic version Switching Manager for the Management of all KVM Extender in the Switching System is included

PoF

PoF splitters can be used to power kvm-tec fiber extenders via PoE over an additional CAT cable

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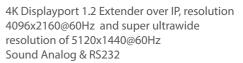
24V Systems

All media4Kconnect KVM Extender are also suitable for 24V Systems









SFP+Module up to 300m/592ft - 120km/99mi opt



kvm-tec upgrades:

• Simultaneous Downscaling

Alerting System via SMS or emailHealth Status













Special

media4Kconnect SPECIAL



### Multiview System



### The free scalable system

16 freely scalable sources (per unit, 64 sources possible in total) No limit for moving images Full HD & 4K

Latency < 0.47ms Real-time display

Less hardware

Video Wall Redundancy Locking the Layouts Simultaneous presentation

(Videocloning - the same image can be displayed on the monitor and on the on the video wall)

Individual labeling of the screens

(background color and font color can be set individually)

Fast scenarios

Mousepointer - animated mouse highlighter

Multihead freely selectable

ScalableLine 4K - Displayport 1.2 extender remote or local over IP in fiber with a range of up to 300m/985ft at a resolution of 4096x2160 @ 60Hz ( 5k5120 x 1440) with a perfect color coding with 4:4:4 @8 bit per color.

The perfect tuning of kym-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.

### SCALABLELINE in Full HD and 4K

### Switching & KVM Management

Management via OSD or with the included Switching Manager Software

The intelligent software kvm-tec Switching Manager allows a comfortable management and intuitive management via OSD or with the included Switching Manager software. The intelligent software kvm-tec Switching Manager allows a comfortable management and intuitive operation of the KVM extenders in the switching system.

For commissioning and operation of the software a Windows PC, VM or tablet with network interface in the network is required. Management via OSD or with the included Switching Manager software.

### Videowall function

The ScalableLine 4K Extender with the ultraslim housing enables video wall functions (4K series) at an excellent price-performance ratio without additional hardware.

### Upscaling at the Remote Unit

On the remote unit, 2 scaled images can be upscaled and a partial section can be displayed as a full screen image.

### Scaling via two links at the local unit

The unscaled 4K image of one monitor can be displayed simultaneously in 4K on another monitor.

In combination with Full HD images can also be upscaled up to 4K. This can be done with a combination of keys.

### More, more, more

- up to 16 sources can be displayed on one monitor, scaled and operated as desired.
- each source can be up/downscaled and operated
- picture in picture display & overlapping windows
- pictures can be moved flexibly across different monitors
- picture sections can be cut out and displayed
- several monitors can be combined to a video wall
- Scalable Mouse Glide & Switch e.g. 4 monitors in 4K can display up to 64 images in real time
- Video wall function 2 scaled images can be upscaled and can be displayed as full screen by means of partial cropping.

- Multihead within one monitor
- Assignment of any source via the user interface
- Super fast switching
- Latency 0.47ms
- 4 units in 1 U
- Scenarios can be switched via shortcuts and keyboard
- sound embedded / sound analog
- RS 232
- software feature: scalable mouse glide & switch
- 4 units in 1 U

### Full HD

For full HD sources, MAXflex dual local in fiber or copper with Scalable Remote Unit becomes an ultra-flexible ScalableLine.



local Maxflex Dual copper or fiber



remote Scalableline

### 4k

4K ScalableLine - a 4K Scalable Local Unit is combined with a Scalable Remote Unit.



local Scalableline



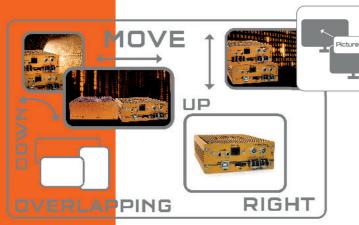
remote Scalableline

The new flexible KVM Dimension





up to 16 sources can be displayed on one monitor, scaled and operated as desired

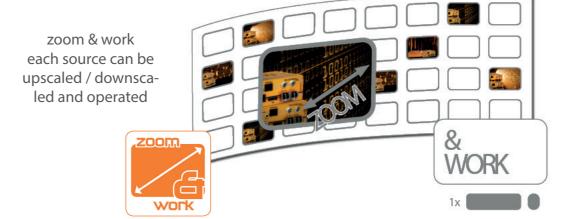


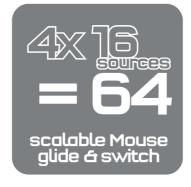
Images can be moved across different monitors individually





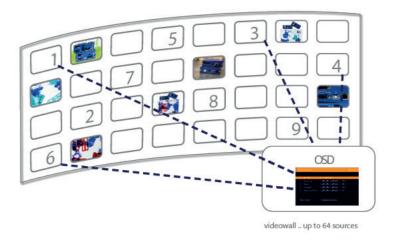
PIP and overlapping Picture in Picture Display and overlapping windows





scalable mouse glide & switch group up to 16 sources per monitor















kvm-tec Gateway - the perfect combination of a real-time KVM system and a flexible remote desktop system kvm-tec Gateway2go -windows app for live pics from the switching system

kvm-tec gateway - the perfect combination of a real- time KVM system and a flexible remote desktop system.

The gateway has the function of a thinclient and in combination with FLEXline 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. A 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.

In addition to your real-time switching system, the kvm-tec gateway can be used to access the virtual machines.

Easy installation - first connect the Flexline remote unit, then select the RDP protocol at the kvm-tec gateway, then enter the credentials and connect to the desired PC. RDP and VNC are used as standard.



For increased performance requirements we offer the Gateway for Video as a system solution in the rack

- powered by Debian
- RDP and VNC Standard



- Access to virtual machines additional to
- your real time switching system
- Connection to a PC via RDP VNC with Maxflex Local
- Gateway powered by DEBIAN
- the KVM gateway can be used to access the virtual machines
- RDP and VNC are standard. Other protocols on request.
- Audio with RDP Transmission
- intuitive Usersystem





Windows App for live pics from the Switching System & Remote Workplaces





### ... smart connection

the flexible connection to the kvm-tec local Switching System & for Remote Workplaces

Innovative user application in real time for performant laptop or desktop devices with Windows 10

In a local Switching System the performance is up to 60 fps without any delay

Special bandwidth management reduces the required bandwidth and allows remote working in near real time. Gateway2 go is connected to the Internet via VPN tunnel (for remote Workplaces) and thus it can be connected from the remote workstation to any PC in the matrix switching system.

Requirement:

for remote workplaces 70Mbit bandwidth

500 Mbit for smooth video playback





Part Nr KT - 4005

Windows APP with unlock code

for installation on a PC

compatible with:

**Ecosmart** 

Flexline Extender

media4Kconnect DP1.2

Scalableline

REAL REMOTE



# Switching Manager



the web-based kvm-tec software for the management of all kvm-tec extenders in the Matrix Switching System

### Basic version included - can be operated from one Admin Extra charge for additional Admin licenses and redundant switching manager

Communication in the switching Manager Web 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.

### Additional operator licenses

The basic version of the switching Manager can be operated from one Admin For additional Admins extra operator licenses are required (part number KT- 4013).

### **Redundant Switching Manager**

For all safety-critical applications, the switching Manager redundant is the perfect choice. If one Switching Manager fails, the second immediately takes over the management of the KVM Extenders in the Matrix Switching System.

### The KVM Software management is intuitive - flexible - expandable

The intuitive operation simplifies the management of all KVM extenders in the matrix switching system. The assignment of user rights in different levels and the definition of main and user rights make the KVM system flexible.

The Siwitching Manager has a useful function to check the correct setting of a network switch

With the KVM software, matrix switching systems are managed up to 2000 endpoints and the system can be expanded at any time with endpoint packages.

### <u>Upgrade:</u>

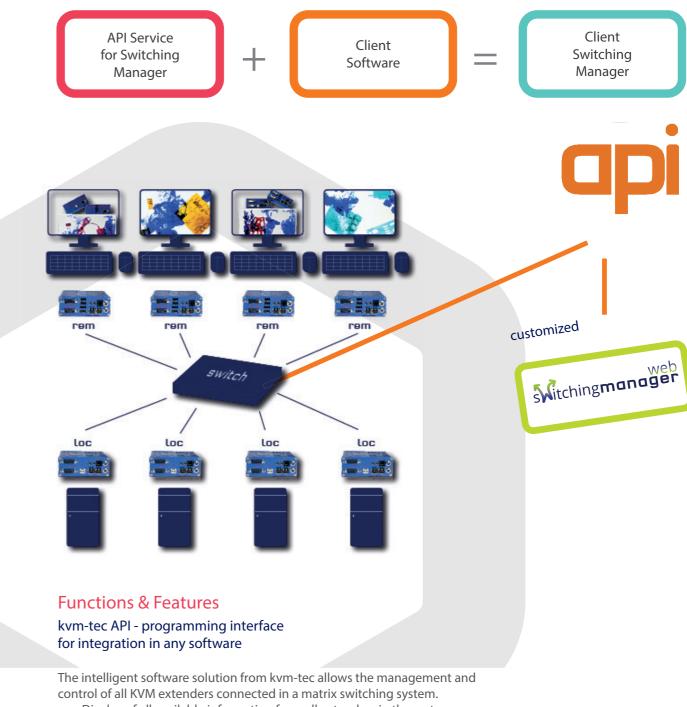
- Switching Manager Web up to 100 endpoints
- Switching Manager Web up to 1000 endpoints





			Conr	nect Ex	tender	S										
Locals Search Name								Remotes Search Name:	Sor	t⊕ Sort (						
	CONNECTION	POWER	VIDEO	VIDEO2	USB HID	USB 2	SOUND	RS232	CONNECTION	POWER	VIDEO	VIDEO2	USB HID	USB 2	SOUND	RS232
	SingleLocal	0		0			0	0	SingleRemote - DualLocal		₹			₹		
			<b>2</b>		0		0	0	Dual Remote		₹		0			





- Display of all available information from all extenders 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
- Definition based on the open API 3.0 standard
- Easy integration into customer-specific software
- Create, edit scenarios
- Set the fallback scenario



## Matrix Switching

### Switching in the dedicated network up to 2000 endpoints and more

With the switching solution from kvm-tec, systems of up to 2000 endpoints can be flexibly and cost-effectively implemented in all market areas, such as control rooms, Industry 4.0, medical technology, flight and traffic monitoring, training and conference centers, broadcast industry, etc. Systems up to 2000 endpoints can be realized flexibly and economically, where no central, expensive and in the endpoints limited switches are needed.

Due to the in - house developed switching technology of kvm-tec there is almost no limitation in the number of endpoints in the switching system and due to the control via software the single endpoints ( PC, monitor etc.) can behave passively. Thus, the endpoint only needs the information at the right switching moment, which results in less data traffic in large systems.

## 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:

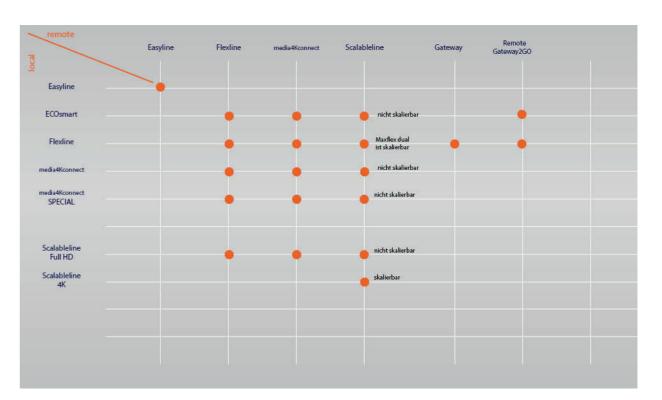
Port number 53248 (0xD000) to 53260 (0xD00C) and Port number 50000 (0xC350).

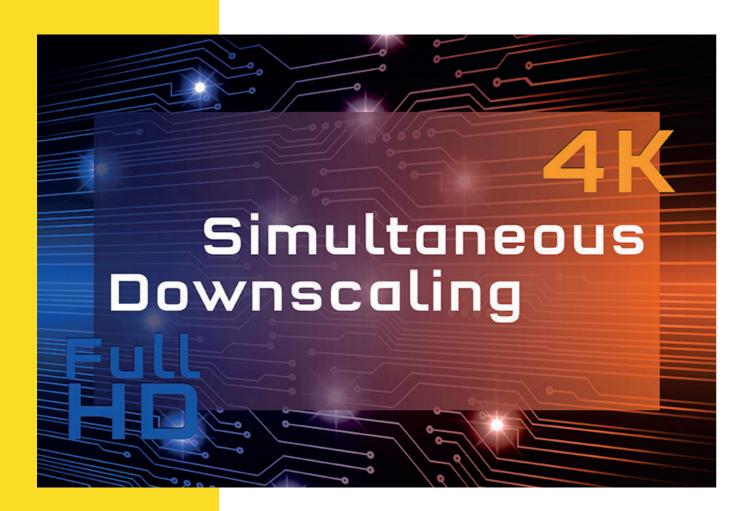
These ports must be taken into account when configuring the firewall.

For the connection via WAN a secured VPN connection is necessary.

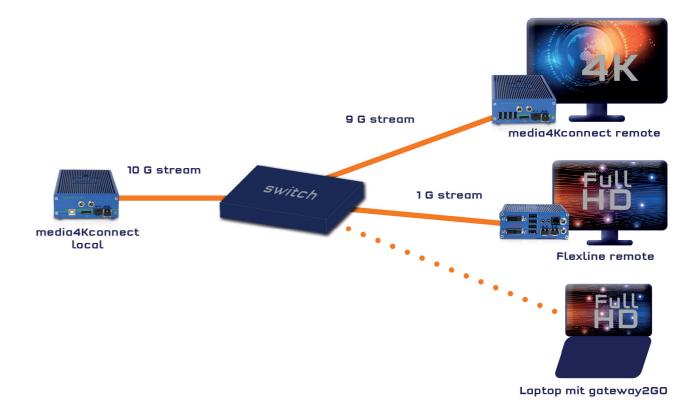
DHCP management of IP addresses is supported by the KVM-TEC Matrix system, static IP addresses are possible, internal default address range and assignment of IP addresses via a DHCP server.

kvm-tec Extender are based on Layer3 and UDP





## simultaneous downscaling



### Simultaneous Downscaling from 4K to Full HD

A video can be displayed natively and downscaled at the same time.

With simultaneous downscaling, two different resolutions can be displayed and processed simultaneously with a local

media4Kconnect on the remote side. displayed and edited on the remote side.

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.

Here two streams are transmitted simultaneously, so the 4K stream has 9 Gbit and the second stream in Full HD 1 Gbit. The data streams can be routed and shared independently of each other.

The data 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).

### 4K or Full HD

Many solutions have the disadvantage that a decision has to be made between 4K and Full HD already during planning. Simultaneous Downscaling allows 4K to be used where it is needed, making the solution more affordable and flexible to use.

Local Unit/TX/CPU: media4Kconnect – DP1.2 Extender in Fiber Remote Unit/RX/CON: media4Kconnect for 4K resolutions

Flexline KVM Extender over IP Extender for Full HD resolution Gateway2go APP – in the LAN the KVM solution without remote unit

## Security/ infront of and beyond the stage

# Rvm-tec G () (E) SECURE

### Most wanted NETWORK SECURITY

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

The KVM Secure Network Separator is used to completely shield a dedicated KVM Matrix network from the outside world (office network, WAN, Internet). Since the two modules are only internally connected via DVI and USB, it is absolutely 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 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



Network

can be operated within the KVM network and can also be administered from the outside via a KVM Separator.

The KVM Secure Network Separator is compatible with the KVM-TEC UDP switching manager and the Gateway-2Go. The remote part can be addressed via multicast IP addresses, the local part via unicast from Gateway2Go via VPN with limited bandwidth.



### A new Standard is born Uncompressed redundant



A completely new standard was developed to enable uncompressed - native 4K transmission even redundantly.

If one link fails, the second link immediately takes over the transmission in compressed form. Due to the in-house developed visual lossless compression no difference is noticeable. For all applications where pixel-perfect, native transmission and redundancy are a decisive factor.



Hot hot - it gets too hot - Should the ambient temperature becomes too hot for the kvm-tec extender, which has passive cooling, it will sound an alarm and immediately notify that there is too high temperature in the environment, and it needs remedial action



Never powerless - Failure of a power supply -Not good! But again, the extender immediately sounds an alarm and notifies that the power supply has failed



Who changed what here? – Failure or unplugging of an extender. If one of the endpoints in a system fails or is shut down, then the Switching Manager sounds an alarm



The Extender is a Teamplayer – Health Status

Via the Health Status, the monitor type and serial number, brightness can be queried and controlled and the volume can be changed.

# Upgrades & & Anctionalities

### Full HD

			Functionalities						
	USB	Sound analog	Analog VGA	RS232	Interlaced	PoE	PoF	Mouse glide & switch	Switching Manager Basic
ECOsmart			opt. [KT6036]						~
Smarteasy	opt. [KT-8147]								
Mastereasy	opt. [KT-8143]	opt. [KT-8141]	opt (KT-6042)						
Smartflex	opt. [KT-6047]				opt. [KT-4053]	opt. [KT-6033] Set [KT-6034] Unit			~
Masterflex	opt. [6043]	opt. [6041]	opt. [KT6042]		opt. [KT-4053]	opt. [KT-6033] Set [KT-6034] Unit			~
Maxflex	~	~	opt. [KT6042]	~	opt. [KT-4053]	opt. [KT-6033] Set [KT-6034] Unit		~	~
Industryflex	~	~	opt. [KT6042]	~	opt. [KT-4053]	opt. [KT-6033] Set KT-[6034] Unit		~	<b>~</b>
USBflex	~				opt. [KT-4053]	opt. [6033] Set [6034] Unit			~



Switching Manager - Basic Version included
Additional Operator Licenses
Redundant Switching Manager up to 100 endpoints

[KT-4012]

Redundant Switching Manager up to 1000 endpoints

[KT-4013] Expandable Endpoints for 50 endpoints

[KT-4014] Expandable Endpoints for 100 endpoints

[KT-4015] [KT-6048]

[KT-6049]

4	K

	redundant	Uncompr.	RS232	Sound analog	5K	Simultaneous Downscaling	Switching Manager Software Basic
media4Kconnect Single					<b>~</b>	opt. [KT-4020]	<b>~</b>
media4Kconnect redundant	<b>~</b>				<b>~</b>	opt. [KT-4020]	<b>~</b>
media4Kconnect uncompressed		<b>✓</b>			<b>✓</b>	opt. [KT-4020]	<b>~</b>
media4Kconnect SPECIAL redundant	~		<b>~</b>	~	<b>~</b>	opt. [KT-4020]	~
media4Kconnect SPECIAL uncompressed		<b>~</b>	<b>~</b>	<b>~</b>	<b>~</b>	opt. [KT-4020]	~

	Mouse glide & switch	PoF	Alarm up to 100 endpoints	Alarm up to 1000 endpoints	Health up to 100 endpoints	Health up to 1000 endpoints	Expandable endpoints
media4Kconnect Single	~	opt. [KT-7146]	opt. [KT-4016]	opt. [KT-4017]	opt. [KT-4018]	opt. [KT-4019]	
nedia4Kconnect redundant	<b>~</b>	opt. [KT-7146]	opt. [KT-4016]	opt. [KT-4017]	opt. [KT-4018]	opt. [KT-4019]	
media4Kconnect uncompressed	~	opt. [KT-7146]	opt. [KT-4016]	opt. [KT-4017]	opt. [KT-4018]	opt. [KT-4019]	50 endpoints
media4Kconnect SPECIAL redundant	~	opt. [KT-7146]	opt. [KT-4016]	opt. [KT-4017]	opt. [KT-4018]	opt. [KT-4019]	[KT-6048] 100 endpoints
media4Kconnect SPECIAL uncompressed	~	opt. [KT-7146]	opt. [KT-4016]	opt. [KT-4017]	opt. [KT-4018]	opt. [Kt-4019]	[KT-6049]

[KT-4014]



Switching Manager - Basic Version included Additional Operator Licenses KT-4012] Redundant Switching Manager up to 1000 endpoints

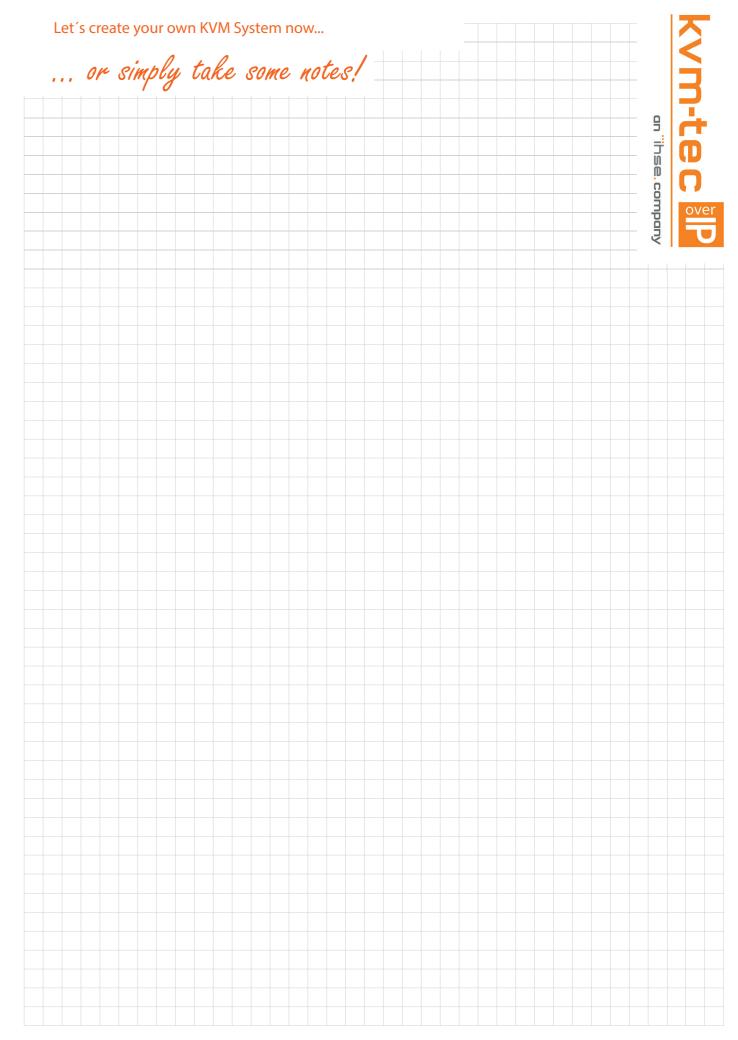
[KT-4013] Expandable Endpoints for 50 endpoints

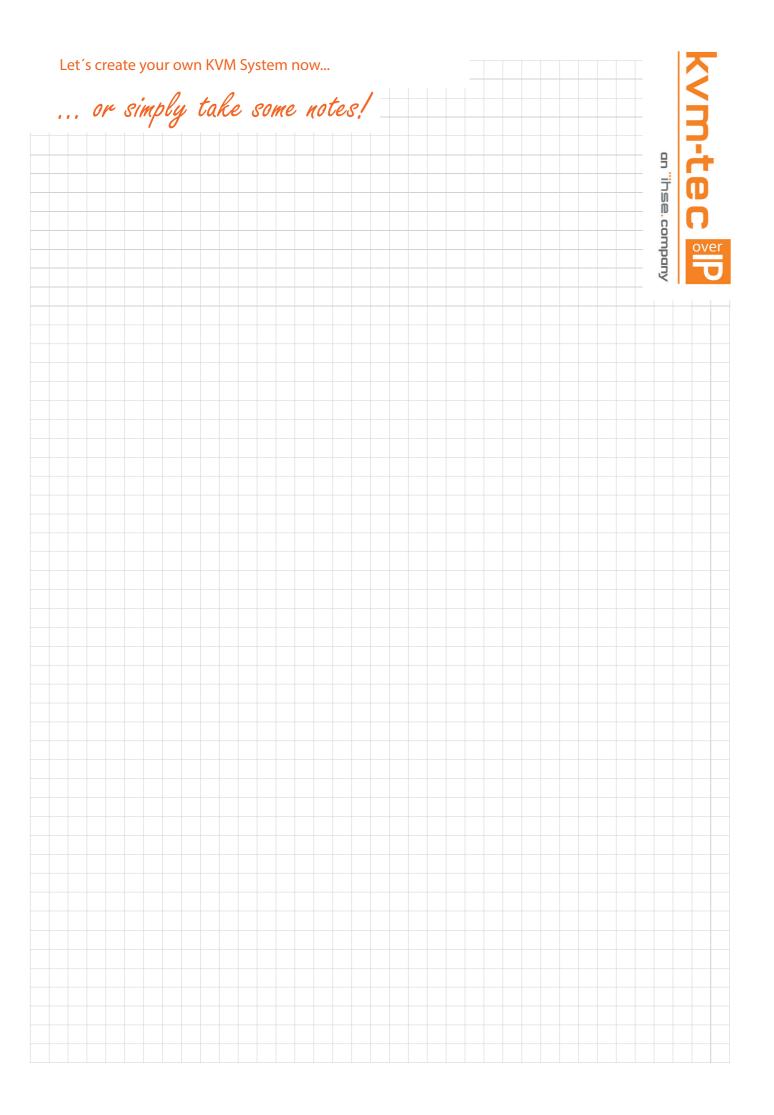
Expandable Endpoints for 100 endpoints

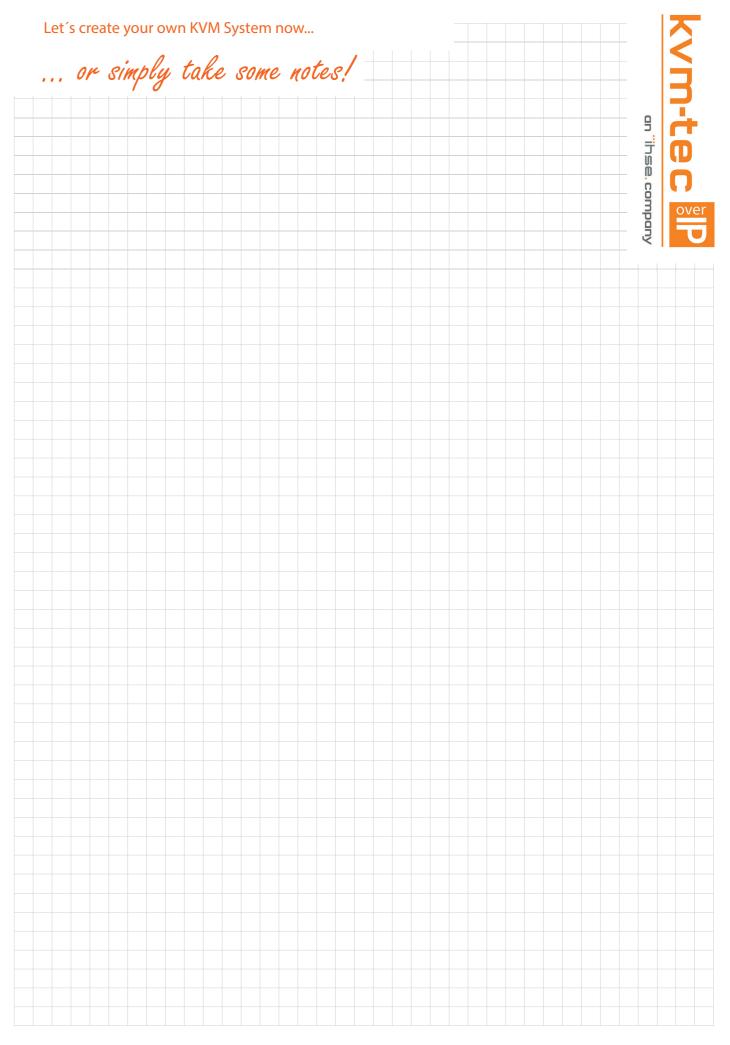
[KT-4015] [KT-6048] [KT-6049]

### Multiview Commander System

	Sound analog	RS232	Mouse glide & switch	Health status	Alarms	5K	up to 2000 endpoints
Full HD  Maxflex Dual Local+ Scalableline Remote  Maxflex Dual Local Copper [6024L] Maxflex Dual Local Fiber [6026L] Scalableline Remote [6990R]	~	~	~	opt.	opt.		~
4K Scalabeline Local + Scalableline Remote Scalableline Local [6990L] Scalableline Remote [6990R]	~	~	~	opt.	opt.	<b>~</b>	~







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kvm-tec electronics GmbH Gewerbepark Mitterfeld 1A 2523 Tattendorf Austria

phone: +43 2253 81912 email: sales@kvm-tec.com