



< 1 ms Latency over IP

Fanless & Space-Saving Design

Single and Dual Head Versions

Perfect for DIN Rail Mounting

Redundancy for Failsafe Operation

Point-to-Point to Matrix Applications

Mix and Match with 4K series

Screwable Video Ports

Flexline – the KVM extender family for flexible and failure-critical applications with resolutions up to a maximum of 1920 x 1200 at 60 Hz. Equipped with screwable DVI-I connectors, depending on the used cable and model, VGA, DVI, HDMI or DisplayPort video signals in addition to USB for mouse and keyboard and transparent transmission as well as RS232 and analog audio signals can be fed in on the transmitter side and transmitted either point to point or via L3 IP networks connected as a matrix system in a network with several devices, using the switching manager. On the receiver side, the corresponding signals are then output natively again. Depending on the cable used, the DVI video interface allows video output via DVI or HDMI signal including L-PCM digital audio (2-channel stereo).

Output to VGA or DisplayPort devices requires active adapters or converters.

Compact Design

- ideal for DIN rail mounting

The compact housing offers a wide range of applications. The arrangement of the interfaces on just one side of the device is ideal for industrial use with DIN rail mounting. Especially with dual-head devices, this means two video inputs/outputs per extender with the same form factor.

For use in narrow server rooms, the EcoSmart version with an even smaller size and power supply via the USB interface offers the best conditions for both VGA and DVI sources in the so-called Zero-U design - i.e. without the need for height units for installation - the KVM signals from server and transmit it to the remote station via IP.

Ergonomic Workplace

The fanless design also enables operation in sensitive workplaces that require absolutely silent operation.

In matrix operation with Switching Manager, the Mouse Glide and Switch function offers the possibility of controlling multi-console workstations with several connected workstations with just one mouse and keyboard. This reduces the amount of peripherals and thus makes cable management in the workplace easier and enables ergonomic work through a clearly organized workplace.

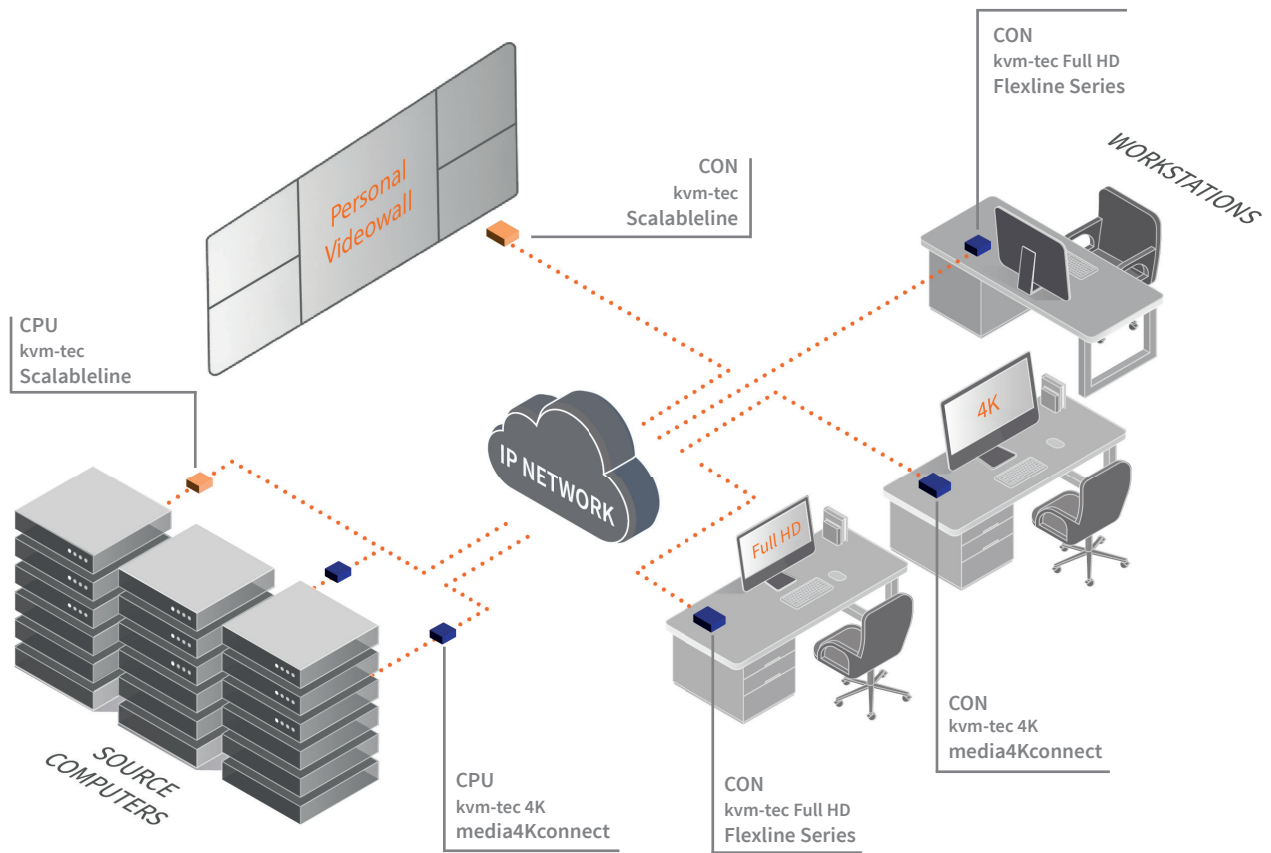
Adaptive Bandwidth Management

Depending on the video signal content, the Flexline extender series reduces the bandwidth for signal transmission to a minimum. Static image content can be transmitted efficiently with just a few megabits. However, as soon as the image content varies significantly, more bandwidth is used to ensure a correspondingly high image quality, even with moving images. Depending on the intended use, cross-connections in networks can be designed more efficiently and multi-channel operation on just 1G is also possible.

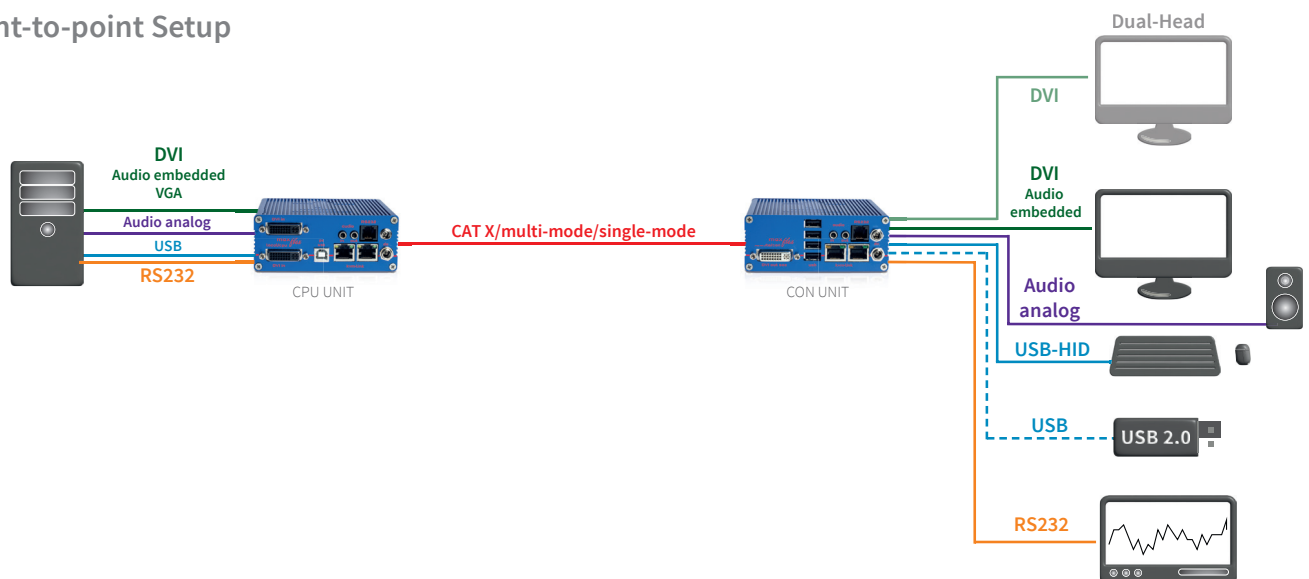
PRODUCT FEATURES

- Resolution 1920 x 1200 @ 60 Hz
- 1 Gbit max. bandwidth per link
- Single-Head & Dual-Head versions
- Cat X & LWL versions (SFP)
- Optional: Link redundancy, analog audio und RS232
- Single-Head devices with local video output
- „Zero-U“ Design Transmitter EcoSmart

Mix & Match with 4K series



Point-to-point Setup



Part-No.	Single-Head	Dual-Head
Ecosmart	<div>KT-6035 (CPU)</div> <div>KT-6035V (CPU)</div>	-
Smartflex	<div>KT-6011L (CPU)</div> <div>KT-6011R (CON)</div>	<div>KT-6021L (CPU)</div> <div>KT-6021R (CON)</div>
Masterflex	<div>KT-6012L (CPU-CAT X)</div> <div>KT-6013L (CPU-LWL)</div> <div>KT-6012R (CON-CAT X)</div> <div>KT-6013L (CON-LWL)</div>	<div>KT-6022L (CPU-CAT X)</div> <div>KT-6023L (CPU-LWL)</div> <div>KT-6022L (CON-CAT X)</div> <div>KT-6023L (CON-LWL)</div>
Maxflex	<div>KT-6014L (CPU-CAT X)</div> <div>KT-6016L (CPU-LWL)</div> <div>KT-6014R (CON-CAT X)</div> <div>KT-6016L (CON-LWL)</div>	<div>KT-6024L (CPU-CAT X)</div> <div>KT-6026L (CPU-LWL)</div> <div>KT-6024L (CON-CAT X)</div> <div>KT-6026L (CON-LWL)</div>

OTHER PRODUCT TYPES	
USBflex	CPU-CATX: KT-6031L; CON-CATX: KT-6031R CPU-LWL: KT-6032L; CON-LWL: KT-6032R
Industryflex	CPU-LWL: KT-6016iL; CON-LWL: KT-6016iR
Flexline Encrypted	CPU: KT-6016LS; CON: KT-6016RS

Single-Head			Dual-Head	
Video Interface	CPU: In 1 x DVI; Out 1 x DVI CON: Out 1 x DVI		CPU: In 2 x DVI CON: Out 1 x DVI	
Max. Resolution	1920 x 1200 @ 60 Hz		1920 x 1200 @ 60 Hz	
Digital L-PCM Stereo Audio embedded	16 bit, 44 kHz, 2 ch		16 bit, 44 kHz, 2 ch	
Analog Bi-Di Stereo Audio	Only with Masterflex & Maxflex : CPU: 1 x Input & 1 x Output (3.5 mm jack) CON: 1 x Input & 1 x Output (3.5 mm jack)		Only with Masterflex & Maxflex : CPU: 1 x Input & 1 x Output (3.5 mm jack) CON: 1 x Input & 1 x Output (3.5 mm jack)	
USB Interface	CPU: 1 x USB-B CON: 4 x USB-A		CPU: 1x USB-B CON: 4x USB-A	
Link	Ecosmart & Smartflex: 1 x RJ45 Masterflex & Maxflex 2 x RJ45 or 2 x SFP		Smartflex: 2 x RJ45 Masterflex & Maxflex 2 x RJ45 or 2 x SFP	
VGA	Only with Masterflex & Maxflex; Optional for Ecosmart		Only with Masterflex & Maxflex	
Bandwidth	1 Gbit per Link		1 Gbit per Link	
Distance	CAT X: 100 m LWL: 300 m Multi-Mode Optional for LWL: KT1-7009 MultiMode 850 nm 500 m KT1-7008 MultiMode 2km KT1-7010 SingleMode 1310 nm 20 km KT1-7011 SingleMode BiDi 1310 / 1550 nm 20 km		CAT X: 100 m LWL: 300 m Multi-Mode Optional for LWL: KT1-7009 MultiMode 850 nm 500 m KT1-7008 MultiMode 2 km KT1-7010 SingleMode 1310 nm 20 km KT1-7011 SingleMode BiDi 1310 / 1550 nm 20 km	
Power Supply	Smartflex			
	CPU: 1 x 12 V / 1 A Barrel Plug 2,1 mm	CON: 1 x 12 V / 1 A Barrel Plug 2,1 mm	CPU: 1 x 12 V / 1 A Barrel Plug 2,1 mm	CON: 1 x 12 V / 1 A Barrel Plug 2,1 mm
	Masterflex & Maxflex			
	CPU: 2 x 12 V / 1 A Barrel Plug 2,1 mm	CON: 2 x 12 V / 1 A Barrel Plug 2,1 mm	CPU: 2 x 12 V / 1 A Barrel Plug 2,1 mm	CON: 2 x 12 V / 1 A Barrel Plug 2,1 mm
Power Redundancy	Only with Masterflex & Maxflex; Ecosmart: Power over USB		Only with Masterflex & Maxflex	
RS232	Only with Maxflex: 1 x RJ12		Only with Maxflex: 1 x RJ12	
Point-to-point	Yes		Yes	
Matrix Switching (Layer 3)	Yes, requires L 3 IP 10 G Network and Switching Manager		Yes, requires L 3 IP 10 G Network and Switching Manager	
Dimensions	CPU: 108 x 43 x 107,5 mm; CON: 108 x 43 x 107,5 mm			
Redundancy	Only with Masterflex & Maxflex		No	

UPGRADES

Additional Power supply PoE per Unit	KT-6034
Sound Upgrade	KT-6041
Analog VGA Upgrade	KT-6042
USB Memory Upgrade	KT-6043

Accessories

Plug-in power supply 12V 2A INT	KT-7051	for Masterflex & Maxflex
Desktop adapter power supply 12V 3A incl. cold device plug - IEC60320 C13/C14 for AU/EU/GB/US	KT-7030AU/EU/GB/US	for Masterflex & Maxflex
accordion cable - 5-way distribution cable	KT-7032	for Masterflex & Maxflex
24-48V power adapter	KT-7033	for Masterflex & Maxflex
HDMI to HDMI cable 1,8 m	KT-7089	for Masterflex & Maxflex
HDMI to DVI-D cable 1,8 m	KT-7090	for Masterflex & Maxflex
adapter cable RJ12 to RS232 male / female	KT-7095/ KT-7096	for Masterflex & Maxflex
Connection cable cold device plug - IEC60320 C13/C14 1,8m for Mastereasy, Masterflex, Maxflex EU/US/GB/AU/IN	KT-7054EU/US/GB/AU/IN	for redundant Units