



AES-128-Bit Encryption

< 1 ms Latency over IP

Fanless & Space-Saving Design

Perfect for DIN Rail Mounting

Redundancy for Failsafe Operation

Point-to-Point to Matrix Applications

Mix & Match with 4K encrypted series

Screwable Video Ports

Flexline Encrypted – the KVM extender for high-secure data transmission with resolutions up to a maximum of 1920 x 1200 at 60 Hz. Equipped with screwable DVI-I ports, depending on the used connection cable and model, VGA, DVI, HDMI or DisplayPort video signal can be fed in on the transmitter side in addition to USB for mouse and keyboard and transparent transmission as well as RS232 and analog audio signal. The signal can be transmitted either point to point or via L 3 IP networks with **AES-128 bit encryption** and 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.

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 manage-

ment in the workplace easier and enables ergonomic work through a clearly organized workplace.

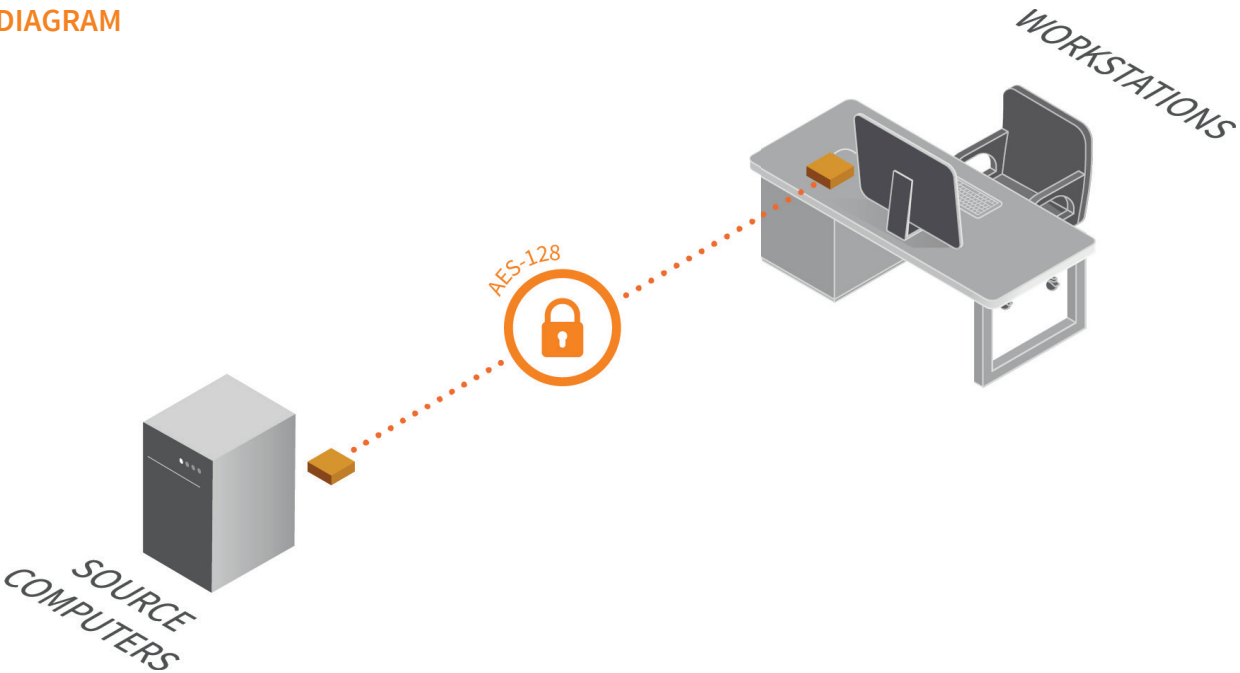
Adaptive Bandwidth Management

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.

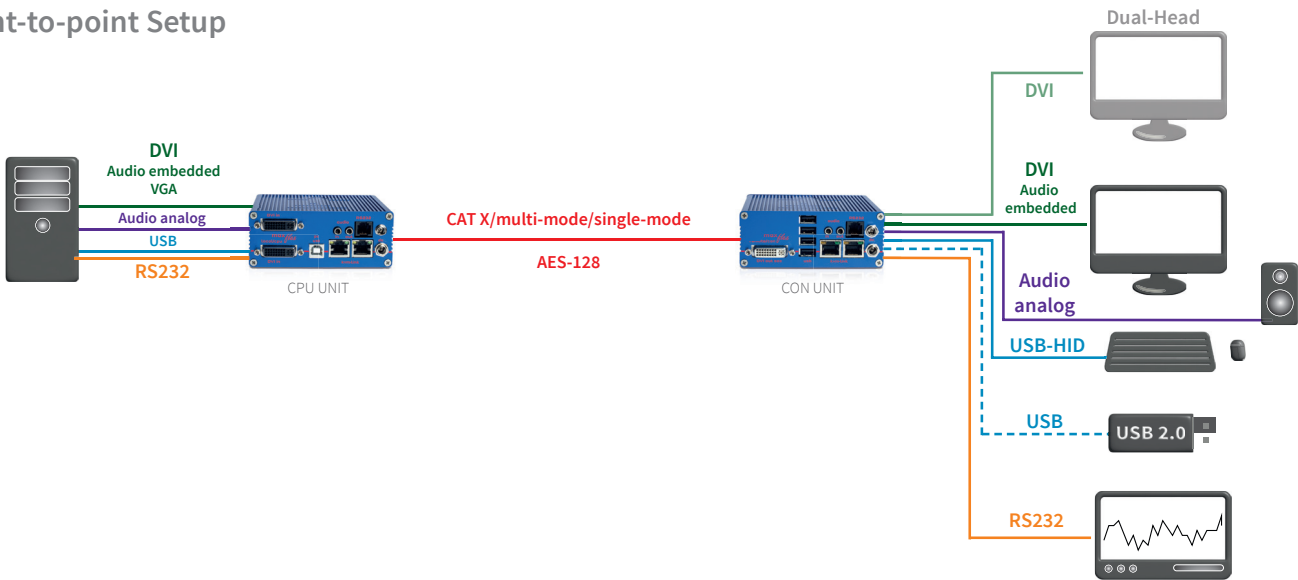
PRODUCT FEATURES



- AES-128-Bit Encryption
- Resolution 1920 x 1200 @ 60 Hz
- 1 Gbit max. bandwidth per Link
- Fiber
- Single Mode & Multi Mode Support
- Encrypted Communication
- Video Sharing
- Point-to-point & Switching

FUNCTIONAL DIAGRAM



Point-to-point Setup



Part-No.	Local/CPU	Remote/CON
Flexline Encrypted		
	KT-6016LS (CPU-LWL)	KT-6016RS (CON-LWL)
VGA Upgrade	KT-6042	

Single-Head		
Video Interface	CPU: In 1 x DVI; Out 1 x DVI	CON: Out 1 x DVI
Max. Resolution	1920 x 1200 @ 60 Hz	
Digital L-PCM Stereo Audio embedded	16 bit, 44 kHz, 2 ch	
Analog Bi-Di Stereo Audio	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
Link	2 x RJ45 or 2 x SFP	
VGA	Optional	
Bandwidth	1 Gbit per Link	
Distance	500 m Multimode LWL: 500 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	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	Yes	
RS-232	1 x RJ12	
Point-to-point	Yes	
Matrix Switching (Layer 3)	Yes, requires L 3 IP 10 G Network and Switching Manager	
Redundancy	Yes	

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