

Displayport 1.2

media4Kconnect REDUNDANT

4K Displayport Extender 1.2
KVM EXTENDER OVER IP



KVM Extender over IP in DP1.2

media4Kconnect single, redundant is a highly optimized 4K DP1.2 KVM Extender over IP for security applications. For distances up to 300 m at a max. resolution of 4096 x 2160 @60 Hz in fiber available. media4Kconnect convince by an ultra flat housing - 4 single units in 1 U , embedded sound, compatible with standard network components. network components. Video sharing, USB sharing.

... media4Kconnect in single/Fiber redundant

- max resolution 4096 x 2160@60 Hz
- ultrawide resolution of 5120 x 1440 @60 Hz
- max distance 300m (opt 120km)
- 4 single KVM Extender in 1U
- sound embedded
- ein Duplex Multimode Fiberkabel (LC)

- USB and video in one stream
- color coding 4:4:4@8 bit per color
- USB transfer rate max 480Mbit/s
- Switching Manager basic version included
- latency 0,47ms
- for point to point or matrix switching systems up to 2000 endpoints
- compatible with FLEXline, Scalable series

USB 2.0 in house development

The in-house developed USB 2.0 implementation supports typical USB devices such as touch screens, sound modules, printers and similar components. In addition, support for storage devices such as thumb drives and USB HDDs can be enabled or disabled as needed, adding another layer of security. And of course, keyboards and mice are also supported.

Infrastructure

media4Kconnect Local and Remote Units have a slim form factor. They fit easily under a desk and up to four units can be mounted in a 19" rack. The single-sided orientation of the interfaces allows easy access for setup and maintenance. media4Kconnect has a fanless design for quiet and ergonomic workspaces.

Mouse glide &Switch

up to 4 screens can be operated with one mouse and one keyboard



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Part No.: KT- 6950



Upgrades INCLUDED

- USB Memory



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

Matrix Switching System

To interconnect multiple media4Kconnect Extender Locals and Remotes via an L3 network switch, a central Switching Manager is required to create a multipoint matrix switching system with access control and other administrative and operational functions. The basic version of the Switching Manager is included

Mouse glide & Switch

In matrix applications such as control rooms, the Mouse, Glide & Switch software feature implemented in the media4Kconnect series allows users with multi-monitor setups connected to multiple sources to operate up to 4 monitors with a single keyboard and mouse control

Feature alerting system

Alerting system - in case of failure of a link or extender, failure due to too hot ambient temperature.

Latency time (encoding/decoding)
<0,47 ms

For each distance meter another 5ns latency are added.

200km /124mi thus correspond to 1ms.

Latencies resulting from network switch topologies vary depending on type and manufacturer as well as configuration.

Ultrawide resolution of 5120 x 1440 @60Hz



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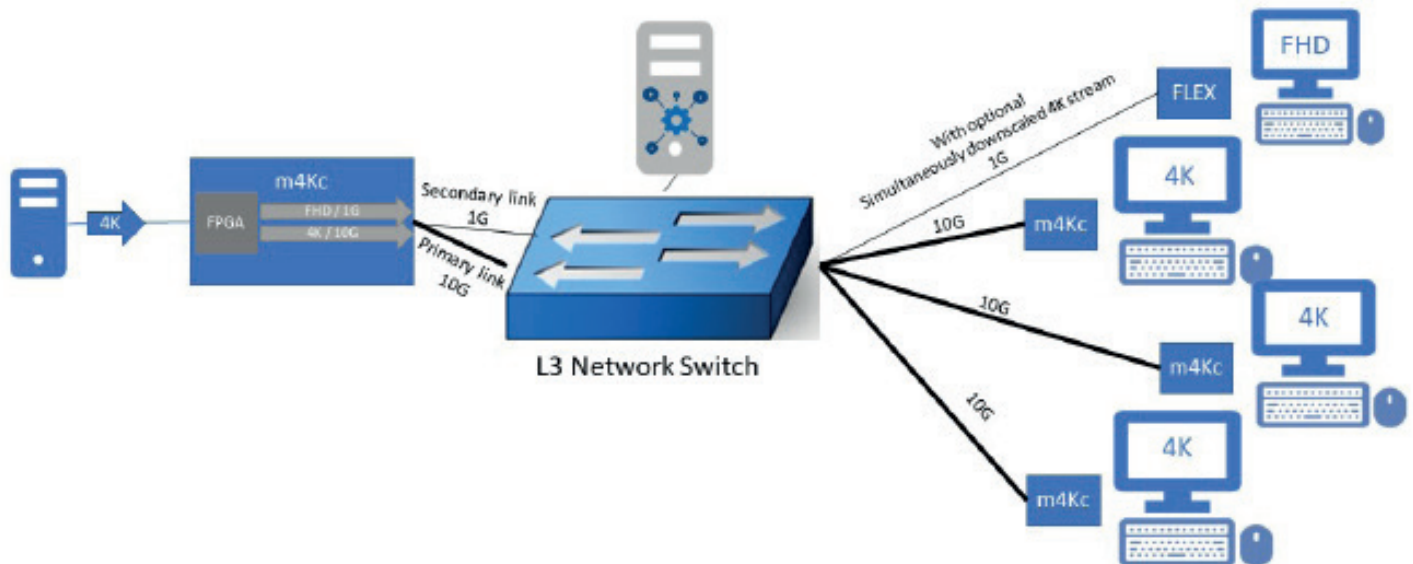
Upgrade Simultaneous Downscaling KT - 4020

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 with 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).



media4Kconnect

redundant

media4Kredundant -DP1.2	stand alone with redundant secure module
Power Input	15W without USB devices
Operation environment	0 °C to 45 °C C (32 to 113 °F)
storage environment	-25 °C to 80 °C (-13 to 176 °F)
relative humidity	max. 80% (non condensing)
MTBF	82820 hours ca 10 years
redundant power supply	12 VDC 3A 2 x external power supply redundant
video connection	Displayport 1.2 /HDMI
RS232 interface	transparent up to 115200 baud +/-5V,CTS/DTR handshake
Audio	analog / embedded 16bit, 44kHz, 2ch
kvm-link	2 x 10G SFP+ redundant
videocompression	kvm-tec compression
casing material dimension (WxHxD) dimension inch	anodized aluminum B 109 x H43 x D 184 mm B 4.2 x H1.6 x D 7.2 inch
weight	610g /1.34 lb loc/CPU 620g / 1.36 lb rem/CON
Laser	Class 1 Laser Product 1 to DIN 40008/EN and VDE 0837
Delivery content	
devices	1 x media4Kredundant DP LOC 1 x media4Kredundant DP REM
Power supply	2 x 12 VDC 3A power supply 2 x 12 VDC 3A power supply
Cable	1 x DP-DP cable 1.8 m /5.9 ft 1 x USB A-B cable 1,8m/5.9ft
Mounting	4 x rubber feet Quick - instruction

media4Kconnect

redundant

ORDER NR	ITEM NR	SHORT DESCRIPTION
M4KREDDP	KT - 6950	media4Kconnect redundant DP1.2 Modul
M4KDP	KT - 6930	media4Kconnect-DP1.2SET
M4KDP-L	KT - 6930L	media4Kconnect DP1.2 Local/CPU
M4KDP-R	KT - 6930R	media4Kconnect DP1.2 Remote7CON
GV5JU GV5J	KT - 9003 KT - 9002	warranty extension flexible per UNIT warranty extension flexible per SET



point to point



switching system

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