

Displayport 1.2

media4Kconnect

4K Displayport Extender 1.2
KVM -TEC EXTENDER OVER IP



KVM Extender over IP in DP1.2

media4Kconnect single is a highly optimized 4K DP1.2 KVM-TEC Extender over IP for distances up to 300m/984ft at a max. resolution of 4096 x 2160 @60 Hz and is available in Fiber. media4Kconnect units convince with an ultra flat housing - 4 single units in 1 U have embedded sound and are compatible with standard network components. Video sharing, USB sharing.

... media4Kconnect in single/fiber

DP1.2 Extender over IP

single in Fiber

max resolution 4096 x 2160@60 Hz

ultrawide resolution of 5120 x 1440 @60 Hz

max distance 300m/984ft (opt 120km/77mi)

4 single KVM Extender in U

Sound embedded

one Duplex Multimode fibercable! (LC)

USB and Video in one stream

Color coding 4:4:4@8 bit per color

USB transfer rate max 480Mbit/s

Switching Manager Web Basic Version included

latency 0,47ms

for point to point or matrix switching systems up to 2000 end-points

Simultaneous downscaling

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.

Mouse glide & Switch

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

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.

media4Kconnect

Part No.: 6937L 6937R

Upgrades INCLUDED

- USB Memory

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

Compatibility

media4Kconnect extenders are compatible with all Flexline and Scalableline extenders. Matrix setups can be combined with Flexline and Scalableline extenders to form a homogeneous system managed by the Switching Manager.

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

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

Another 5ns latency is added for each distance meter.

200km /124mi thus corresponds 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



5K

media4Kconnect

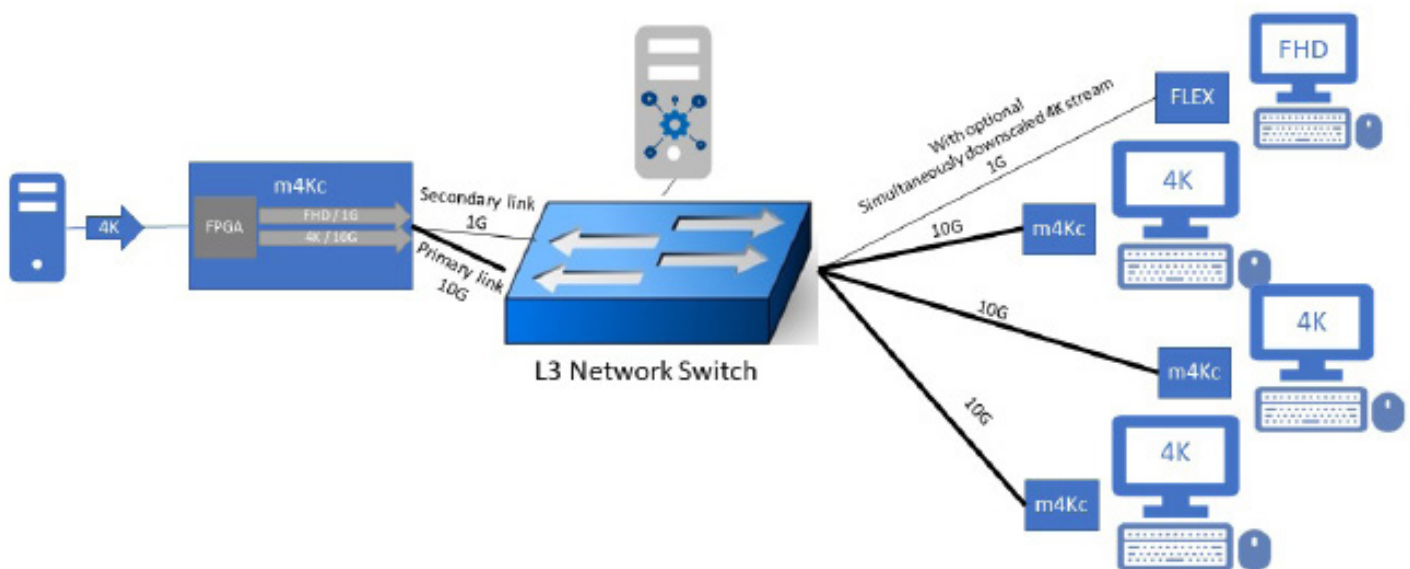
Upgrade Simultaneous Downscaling 4023

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).



KVM Development & Support GmbH

Steinbruchgasse 34

2500 Baden

phone: +43 2253 81912

Austria

www.kvm-development.com

media4Kconnect

Technical Specifications

media4Kconnect DP1.2	LOCAL /CPU	REMOTE/CON
power input	15W	15W ohne USB Geräte
Operation environment	0 °C to 45 °C (32 to 113 °F)	0 °C to 45 °C (32 to 113 °F)
storage environment	-25 °C to 80 °C (-13 to 176 °F)	-25 °C to 80 °C (-13 to 176 °F)
relative humidity	max. 80% (non condensing)	max. 80% (non condensing)
MTBF	82820 hours ca 10 years	82.820 hours ca 10 years
power supply	12 VDC 3A external power supply	12 VDC 3A external power supply
Video connection	Displayport 1.2	Displayport 1.2
kvm-link	10G SFP+	10G SFP+
video compression	kvm-tec compression	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	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	610g /1.34 lb loc/CPU 620g / 1.36 lb rem/CON
Laser	Class 1 Laser Product to DIN 40008/EN and VDE 0837	Class 1 Laser Product to DIN 40008/EN and VDE 0837
Delivery content		
devices	1 x media4Kconnect DP1.2 LOCAL/CPU	1 x media4Kconnect DP 1.2 REMOTE/CON
Power supply	1 x 12 VDC 3A power supply	1 x 12 VDC 3A power supply
Cable	1 x DP-DP cable 1.8 m/5.9ft 1 x USB A-B cable 1.8m/5.9ft	
Mounting	4 x rubber feet Quick Instruction	4 x rubber feet

media4Kconnect

Item Number 6937

Order number	Item number	short description
M4KR	6973R	media4Kconnect DP1.Remote
M4KL	6973L	media4Kconnect DP1.2 Local
URD	4023	media4Kconnect DP1.2 downscaling
URD	4023	media4Kconnect redundant DP1.2 Upgrade
URD	4023	media4Kconnect unkomprimiert DP1.2
GV5JU	9003	warranty extension flexible per Unit



point to point



switching system

KVM Development & Support GmbH

Steinbruchgasse 34

2500 Baden

phone: +43 2253 81912

Austria

www.kvm-development.com