



EcoSmart

over IP Local Extender

for Zero Space in the Rack

Die KVM Local Unit for Zero Space in the Rack

KVM Extender- Transmitter over IP in DVI-D, USB in CATx

Single CPU / Copper FULL HD
KVM EXTENDER OVER IP

... Ecosmart single copper/ CATx

- for DVI-I in dongle format
- USB 2.0 transparent
- Full HD videos in real time
- Point to point or switching via OSD and
- Switching manager
- powered by USB
- Mouse glide& Switch (in combination with MAXflex, media4Kconnect)
- powered by USB
- Zero Space Factor for much space in the server room with zero U
- VGA upgrade (please specify when ordering longer delivery time)
- Switching Manager basic version included

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

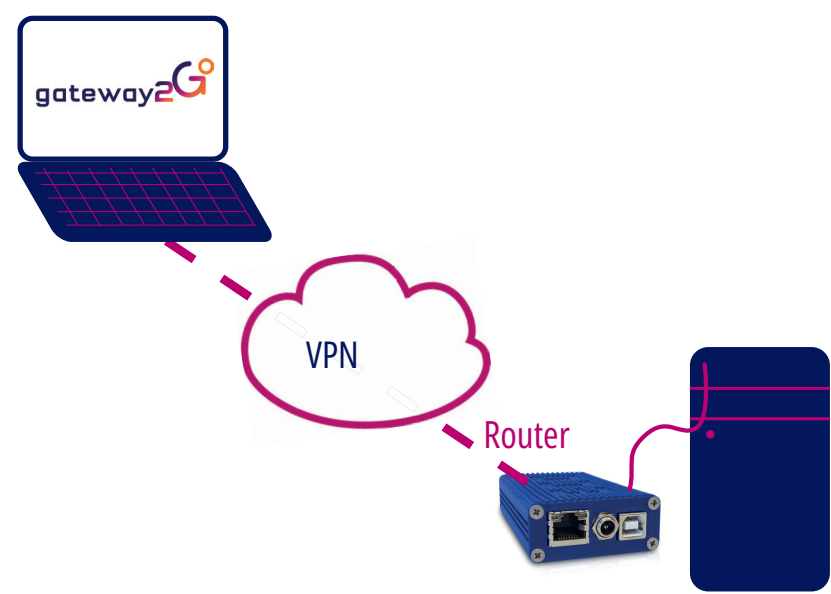
Ecosmart local unit with the zero space factor. The single-sided orientation of the interfaces allows for easy access during setup and maintenance. Ecosmart has a fanless design for quiet and ergonomic workspaces.

Bandbreitenreduktion

Ecosmart enables transmission bandwidth to be limited in nine fixed stages. This enables controlled network utilization by reducing the operating power. Depending on the application, this can even be done without any noticeable effects (e.g. static image monitoring).

Good vibes with Ecosmart and Gateway2go

It doesn't get any easier than this—just plug Ecosmart into the server room, and you can establish a point-to-point connection to Gateway2go via a VPN tunnel—no matter where you're working, whether in the office, at home, or elsewhere. The seamless integration of Ecosmart and Gateway2go enables a remote point-to-point connection with zero overhead, wherever it's needed.



Matrix Switching System

To connect multiple ECOsmart Extender Locals and Remotes Units (Flexline, media4Kconnect, Scalableline), 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.

Compatibility

Ecosmart local unit is compatible with Flexline, media4Kconnect and Scalableline. In matrix setups, Ecosmart CPU units can be combined to form a homogeneous system managed by the Switching Manager.

Latencytime (encoding/decoding)
<1,38 ms

Another 5ns latency is added for each distance meter.
200km thus corresponds to 1ms.
Latencies resulting from network switch topologies vary depending on type and manufacturer as well as configuration.

Typical transmission bandwidth for 1920 x 1200@60 Hz 8 BpC

Image chage (Frame to Frame) (%)	Average Bandwidth (Mbit(s))
5	50
10	100
25	250
50	470
75	700
100	950

With bandwidth reduction, the frame rate is reduced.
Above level 5, the color accuracy is also reduced slightly.



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		KVM ECO SMARTLocal/CPU
Interfaces	Video	1 x DVI-D 1 x DVI-D out
	USB 2.0	1 x USB-B to PC
	Audio	
Audio	Type Bandwidth	embedded 16bit, 44kHz, 2 ch
Video	Signal type: resolution (digital): Color mode:	DVI-D max. 1920x1200 @ 60Hz 24bit
Networkinterface		RJ45
Compression Factor		3,5 depending on the image content
USB	Spezification: Type: Rate:	USB 2.0 transparent max. 480 Mbit/s mass storage & camera optional
Case & weight	Material Dimension (w x H x D) Weight Shipping weight	anodized aluminum 45 x 20 x 95 mm 1.77 x 0.78 x 3.74 inch 170g / 0.37 lb shipment weight 290g/0.64 lb
Power supply	Type	external power supply 12 VDC 2A max 35 V
Power input	Operation	6W
Operation environment	Temperature Humidity	0 to +45 °C /32 to 113 °F < 80%, non- condensing
Storage environment	Temperature Humidity	-25 to 80 °C /-13 to 176 °F < 80%, non condensing
Cooling		free air convection
MTBF		82.820 calculated hours approx 10 years
Conformity		CE, FCC
Warranty		2 years (5 years optional)
Delivery content	Devices Power supply Cables Mounting Manual	1 x KVM ECO local (CPU) 1 x wall power supply 12V 1A EU-plug or INT Plug 1 x DVI - DVI cable 20cm/0,65ft 1 x USB cable 20cm/0,65ft 4 x rubber feet Quickinstallation



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Part Description	Part Number	Short Description
KVM ECO	6035	KVM ECOsmart Local Unit for Zero Space EAN 0798190112404 UPC 51497115760
ECO VGA	6042	Upgrade VGA
GV5JU	KT-9003	Warranty extension to 5 years per UNIT



Upgrades opt

- VGA Upgrade

please specify when ordering - longer delivery time

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