



- Supports DVI-D Input/Output
optional DVI-I Input (VGA)
- Supports PS2 Keyboard/Mouse
or
- Supports USB Keyboard/Mouse
- Option: Dual-Head/Quad-Head
- Option: USB 2.0 transparent
- Audio/serial Option available
- For Distances up to 140 m over
Cat X Cables or up to 10.000 m
over Fiber Cables
- 19" Rack mountable using 19"
Rack Mount Kit (RMK)

DVXi/ET

Cat X Series

DVI EXTENDER
ENHANCED TECHNOLOGY
FOR PS2 OR USB SUPPORT
USING CAT X CABLES



DVXi/ET

DVI Extender Enhanced-Technology for PS2 or USB support Using Cat X Cables



PS2-Dual-Head



USB-Single-Head



USB-Single-Head/Audio

Input Interface	DVI-D (Single Link)
Output Interface	DVI-D (Single Link) – not HDCP compatible
Resolution	1920x1200@60Hz
Keyboard/mouse	DVXi/ET-PC : PS2 DVXi/ET-UC : USB - keyboard/mouse support only (HID)
Power Supply	Universal switch mode PSU (90-240V Input)
Dimensions	103 x 143 x 29 mm (Single-Head) 103 x 143 x 42 mm (Dual-Head)
Upgradable	Onboard Flash (19" Rack mount Kit and brackets available)

DVXi – Digital KVM Extension with no loss in image quality

Use DVXi/ET to remotely locate you monitor, keyboard and mouse of up to 140 m (Cat X) or up to 10 km (fiber) from the CPU. Digital extension technology ensures perfect image quality no matter how far you extend!

Why does it make sense to remotely locate a CPU?

- Protection of CPUs against dust, water and vibration.
- Avoid theft, and protect against unauthorized CPU access.
- Simplified maintenance, configuration and administration of multiple user computers by co-locating them.
- Change a user's working station by simply moving a patch cable
- Centralized air conditioning of CPUs increasing life cycles, simplifying infrastructure and reducing energy consumption.
- Reduce noise pollution at work stations

DVXi Applications

- Financial (remote users and server control)
- Call centers (co-locate users computers)
- Industrial (protection against pollution)
- Information terminals & kiosks
- Airports (air traffic control, passenger information systems)
- KVM extension where exceptional image quality is required

Perhaps you have a safety critical application, where the user is not allowed to access to the CPU directly.

DVXi/ET – The Future of KVM Extension

As flat panel displays are more and more common the use of DVI interfaces becomes even more important to gain the optimum in video transmission. DVXi/ET supports DVI extensions at highest resolutions of up to 1920x1200 to ensure the benefits of using DVI, even if your monitor is located up to 140 m/10 km away.

DVI, USB and more...

DVXi extender support DVI graphic interfaces (DVI-D) and, depending on the device type either PS2 keyboard/mouse or USB keyboard /mouse (HID – Human Interface Device – such as touch screens, tableaus and other pointing or input devices)

Using a highly effective compression algorithm, the maximum data rate of a Cat X transmission can be used optimally. Even at highest resolutions of 1920x1200, you will get a comfortable working and a smooth picture movement in videos. Comparing to other devices, the maximum transfer distance does not depend on the monitor resolution. Even at the highest resolution of 1920x1200 you can easily bridge 140 m (10 km).

The compact design allows close installation in a 19" rack cabinet. Up to 4 devices can be mounted in a 19"/1U rack mount kit. Even for desktop application the according mounting kit is available.

Dual-Access for DVI-D (all models), keyboard and mouse (PS2 models only) allows to remotely accessing a monitor, keyboard and mouse by directly connecting to the PC. This way you can have two (dependent) access points to your CPU. Or you have a remote access to your CPU and several CPUs are connected locally by using a console switch to a local admin.

Highlights

- Brilliant video quality at all resolutions
- Video resolutions of up to 1920x1200@60Hz (1280x1024@75Hz) for all distances up to the maximum distance
- User selectable: DDC-Information used from the remotely located monitor, from the locally located monitor or from an internal DDC-Table
- Basic device to remotely locate monitor and keyboard/mouse
- Supports (depending on the device) PS2 keyboard/mouse or USB (USB supports keyboard/mouse and all HID = Human Interface Devices, e.g. touch screens, graphic tablets, etc...)
- Dual-Access: in addition to the remote access, a Monitor (all models) and Keyboard/Mouse (PS2 models only!) may be connected directly at the PC
- Option: Dual-Head/Quad Head for PS2 and USB: Support for two/four displays at the workplace – for Dual/Quad Graphic Cards
- Option: Audio/serial for all devices
- Option: 2 additional HID ports to raise the number of supported HID devices
- Option: VGA (DVI-I) input and conversion to DVI-D, including scaler
- Option: USB 2.0 support for all available USB devices including printer, scanner, hard disk drives, memory sticks or other devices
Additional Cat X cable or fiber pair required
- Maximum Screen Resolution (1920x1200) for all distances:
 - 140 m: regular Cat X cable
 - 200 m: multi-mode 62,5µ
 - 400 m: multi-mode 50µ
 - 10 km: single-mode 9µ
- Compatible with all operating systems
- Compatible with most KVM switches
- Rack mount options (19"): Mount up to 4 devices in a 19"/1U rack mount kit. This saves valuable rack space.