



- Supports 4x DVI-D Input/Output
- Supports PS2-Keybaord/Mouse and
- Supports USB- Keyboard/Mouse
- Supports audio/serial
- Option: USB 2.0 transparent
- For distances up to 140m over CATx-Cables or up to 10.000m over Fibre-Cables
- Option: CWDM for transmission over two fibres up to 10.000m
- 19" Rack mountable using 19" Rack Mount Kit (RMK)

DVXi/ET Quad-Head



DVI QUAD-HEAD EXTENDER
ENHANCED TECHNOLOGY
FOR PS2 AND USB SUPPORT
USING CATX/FIBRE CABLES

DVXi/Quad-Head

DVI Extender

Enhanced-Technology for PS2 and USB support Using CATx/Fibre Cables



Quad-Head - HID



Quad-Head - USB2.0



Quad-Head - CWDM

Input Interface	4x DVI-D (SingleLink)
Output Interface	4x DVI-D (SingleLink) – not HDCP compatible
Resolution	1920x1200@60Hz (2048x1152@60Hz)
Keyboard/mouse	PS2 + USB (keyboard/mouse support only! (HID))
USB 2.0 transparent	Option: for CATx and Fibre (Multimode/Singlemode)
CWDM	Option: Transmission of 4x DVI + all other signals (including USB 2.0 transparent) over a single pair of fibres (Singlemode only!)
Power Supply	Universal Switch mode PSU (90-240V Input)
Dimensions	19" x 1U x 140 mm (CATx and Fibre devices) 19" x 1U x 260 mm (CWDM devices)
Upgradable	Onboard Flash (19" Rack mount Kit available)

DVXi – Digital KVM Extension with no loss in image quality

Use DVXi/ET to remotely locate your monitor, keyboard and mouse up to 140m (@CATx) or up to 10.000m (@Fibre) 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 computers against dust, water and vibration.
- Avoid theft and protect against unauthorized installation of software.
- Simplify maintenance, configuration and administration of multiple users computers by co-locating them
- Save costs by installing air conditioning and high-speed networking equipment in a central server room
- Cut out noise in the work place

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

With Flat panel displays becoming more prevalent it is natural to drive them digitally through their DVI interface to obtain optimum image quality. DVXi/ET supports DVI extension up to resolutions of 1920x1200 to ensure the benefits of using DVI are maintained even if you locate your monitor 140m/10.000m away!

DVI, USB and more

DVXi- Extender supports DVI graphic interfaces (DVI-D) and PS2- keyboard/mouse as well as USB- keyboard/mouse (HID – Human Interface Device – in this class of devices you can also find Touch screen, Tableaus and other pointing or input devices).

Using a highly effective Compression algorithm, the maximum data rate of the CATx transfer is used best. Even on highest resolutions (1920x1200/ 2048x1152) you'll get a comfortable working and a smooth picture movement on videos. Comparing to other devices, the maximum transfer distance does not depend on the screen resolution! Even in the highest resolution of 1920x1200 you can easily bridge 140m (10.000m).

The high-density design allows dense packing in 19"server racks. 4 DVI-video links along with PS2 and USB-HID, serial, audio and optional USB 2.0 is mounted into 19"/1U. A built in, universal switch mode p.s.u. requires only a single power outlet.

Quad-Head devices with USB-HID require 4 CATx cables or 8 fibres (4 pairs) of fibre cable. Quad-Head devices with USB-2.0 transparent require 5 CATx cables or 10 fibres (5 pairs) of fibre cable.

If you use the optional available CWDM technology, you can send all data (including USB 2.0) over a single pair of (Singlemode) fibre cables.

Highlights

- Top Image Quality at all Resolutions
- Video Resolutions up to 1920x1200@60Hz or 2048x1152@60Hz (1280x1024@75Hz) on all distances up to the maximum distance
- User selectable: DCC-Information used from the remotely located Monitor, from the locally located Monitor or from an internal DDC-Table
- Basic device to remotely locate 4x Monitor PS2 and USB Keyboard/Mouse + serial/audio (USB supports keyboard/mouse and all HID=Human interface devices like Touch screen, Graphic Tablets ...)
- Dual-Access: in addition to the remote access, a Monitor (all models) and Keyboard/Mouse (PS2 port only!) may be connected directly at the PC
- Option: USB 2.0 support for all available USB devices including printer, scanner, hard disk drives, memory sticks, audio devices, ... Additional CATx cable or fibre pair required!
- Option: CWDM upgrade to send all data (including USB 2.0) over a single pair of (Singlemode) fibre cables.
- Maximum Screen Resolution (1920x1200/ 2048x1152) on all distances:
 - 140 m w/ regular CATx Cable
 - 200m @ Multimode 62,5µ
 - 400m @ Multimode 50µ
 - 1000m @ Multimode 50µ OM3
 - 10.000m @ Singlemode 9µ
- Compatible with all operating systems
- Compatible with all major KVM Switches
- Rack Mount options (19"): Mount all devices in 19"/1U rack space.