

- Supports DVI-D Input/Output
- Supports USB- Keyboard/Mouse
- For Distances up to 50m over CATx-Cables
- 19" Rack mountable using 19" Rack Mount Kit (RMK)

## DSXi



**DVI** SHORT DISTANCE  
**EXTENDER**  
USB (HID) SUPPORT  
FOR **CATX** CABLE



Input Interface	DVI-D (SingleLink)
Output Interface	DVI-D (SingleLink)
Resolution	1920x1200@60Hz
Keyboard/mouse	USB –HID (keyboard/mouse support only! (HID))
Power Supply	Universal Switchmode PSU (90-240V Input)
Dimensions	78 x 110 x 29 mm (19" Rack mount Kit and brackets available)
Upgradable	Onboard Flash

# DSXi



## DVI Short Distance Extender USB (HID) Support For CATx Cable

### DSXi – Digital KVM Extension with no loss in image quality

Use DSXi to remotely locate you monitor, keyboard and mouse from the CPU. However, to ensure extension without loss of picture quality and user access, you need an extender device which works like an amplifier. Our DSXi Extender supports up to 50 m of lossless 1280x1024 transmission or 40m at maximum resolution, using commonly available CATx Cables. Please note: All CATx cables need to carry ferrites on both cable ends close to the device to comply with the limits for electromagnetic radiation to fulfil the CE norm.

### Why does it make sense to remotely locate a CPU?

- Protection computes 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

### DSXi Applications

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

### DSXi – The Future of KVM Extension

With Flat panel displays becoming more prevalent and monitor resolutions are increasing, it is natural to drive them digitally through their DVI interface to obtain optimum image quality even at highest resolutions. DSXi supports DVI extension up to resolutions of 1920x1200@60Hz to ensure the benefits of using DVI are maintained even if you locate your monitor far away!

### DVI, USB and more

DSXi- Extender supports DVI graphic interfaces (DVI-D) in an uncompressed mode and highest resolution (up to 1920x1200 @ 60Hz) and 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).

Due to uncompressed transfer of the DVI Data in full speed, our DSXi meets highest demands: no picture corruption or Frame-Drops can occur. Even on highest resolutions (1920x1200@60Hz) you'll enjoy a comfortable working and a smooth picture movement on videos. The maximum transfer distance depends on the screen resolution. But even in the highest resolution of 1920x1200 you can easily bridge 40m.

The high-density design allows dense packing in 19" server racks. Up to 5 devices can be mounted into 19"/1U. Even, using it for a desktop application, it is very attractive!

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

### Highlights

- Top Image Quality at all Resolutions
- Video Resolutions up to 1920 x 1200 @ 60Hz (1280 x 1024 @ 75Hz)
- 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 Monitor (Single-Head/ SingleLink) and Keyboard/Mouse (USB-HID)
- USB-HID are Keyboard, Mice and all other HID= Human Interface Device Devices like Touch screen, Graphic tablets, ...
- Maximum Distance on Screen Resolution:
  - 40 m @ 1920x1200
  - 40 m @ 1920x1080
  - 40 m @ 1600x1200
  - 50 m @ 1280x1024 and lower
- Compatible with all operating systems
- Compatible with all major KVM Switches
- Rack Mount options (19"): Mount up to 45 devices in a 19"/1U rack mount kit. This saves expensive rack space.