

DVI Duallink  
Resolution up to  
2560x2048@60Hz

- Supports DVI-D Input/Output Singlelink up to 1920x1200 Duallink up to 2560x2048
- Supports USB- Keyboard/Mouse
- Option Dual-Head
- Option USB 2.0 transparent
- For Distances up to 400m using Multimode Fibre Cables
- Rack mountable in 19"-Racks using Rack Mount Kit

## DXXi



**D**VI-D (DUALLINK) **E**XTENDER  
**R**ESOLUTION **U**P TO 2560X2048  
**U**SB HID/ USB 2.0 SUPPORT  
**F**OR MULTIMODE **F**IBRE CABLES



Single-Head - HID



Single-Head - 2.0



Dual-Head - HID



Dual-Head - 2.0



Switch - HID

# DXXi



## DVI-D (DUALLINK) EXTENDER RESOLUTION UP TO 2560X2048 USB HID/ USB 2.0 SUPPORT FOR MULTIMODE FIBRE CABLES

Input Interface	DVI-D Singlelink or Duallink depending on model
Output Interface	DVI-D Singlelink or Duallink depending on model
Resolution (max.)	Singlelink: 1920x1200@60Hz Duallink: 2560x2048@60Hz
USB depending on model	USB HID: support for Keyboard/Mouse only USB 2.0: transparent for ALL USB Devices
Interconnection Cable	Multimode 50/125µ (up to 400m) or 62,5/125µ (up to 200m)
1 Fibre:	Single-Head/Singlelink - HID and Switch -HID
2 Fibres	Dual-Head/Singlelink - HID, Single-Head/Duallink - HID and Single-Head/Singlelink - 2.0, Duallink Switch -HID
3 Fibres	Dual-Head/Singlelink - 2.0 and Single-Head/Duallink - 2.0
P.s.u.	Universal p.s.u. (90-240V Input)
Dimensions	133 x 180 x 43 mm (19" Rack Mount Kit and mounting angles available)
Upgrade	Onboard Flash

### DXXi - Digital KVM Extension with no loss in image quality

Use DXXi 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 DXXi Extender supports up to 400 m of lossless transmission at maximum resolution, using commonly available Multimode Fibre Cables!

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

- Protection computers against dust, heat, 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

### DXXi 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

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

### DXXi - 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. DXXi supports DVI extension up to resolutions of 2560x2048 (Duallink only) to ensure the benefits of using DVI are maintained even if you locate your monitor far away!

### DVI, USB and more

DXXi- Extender supports DVI graphic interfaces (DVI-D) in an uncompressed mode and highest resolution (depending on model up to 2560x2048@60Hz) and, depending on device type either USB 2.0 transparent or 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 DXXi meets highest demands: no picture corruption or Frame-Drops can occur. Even on highest resolutions (1920x1200@Singlelink resp. 2560x2048@Duallink) you'll enjoy 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 (2560x2048 for Duallink) you can easily bridge 400m (50/125µ).

The high-density design allows dense packing in 19" server racks. Up to 3 devices can be mounted into 19"/1U. Even, using it for a desktop application, it is very attractive!

A special DXXi version comes with a built-in KVM- Switch in the Local Unit. This allows you to connect 2x CPU at the Local Unit. A short key sequence, typed in at the Remote Unit, switches between the two CPUs. This saves an external KVM- switch at the Local Unit.

### Highlights

- Top Image Quality at all resolutions. The uncompressed data transmission supports all requirements on picture quality and frame rate
- Video resolutions Singlelink up to 1920x1200@60Hz (1280x1024@75Hz); Duallink up to 2560x2048@60Hz on all distances up to the maximum distance
- Transparent transmission of the DDC-Information from remotely attached monitor (DDC2B)
- 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, ...
- Option Dual-Head: Support for two displays at the workplace - for Dual Port Graphic Cards
- Option Duallink: supporting monitor resolutions up to 2560x2048@60Hz (Single-Head graphic card only)
- Option KVM- Switch: This allows you to connect 2x CPU at the Local Unit. A short key sequence, typed in at the Remote Unit, switches between the two CPUs. This saves an external KVM- switch at the Local Unit (Single-Head/Singlelink - HID device only)
- Option USB 2.0: A transparent USB 2.0 Interface with full 480MBit/sec data transfer speed with 4port HUB in Remote Unit supports all known USB devices
- Maximum Screen Resolution on all distances:
  - 400m using 50/125µ Multimode Cable
  - 200m using 62,5/125µ Multimode Cable
- Compatible with all operating systems
- Compatible with all major KVM Switches
- Rack Mount options (19"): Mount up to 3 devices in a 19"/1U rack mount kit. This saves expensive rack space