

Fibre Remote III Dual Link

Remote Solution – with Fibre Optic Cable

Remote control your workstation over a single fibre optic cable.

Save space and eliminate heat radiation from workstations at the desk.

Brilliant picture quality without adjustments due to digital signal transmission.



Description

With the Fibre Remote III you can readily remote local workstations into a protected and climate controlled area such as a system room.

Save energy and costs for air-conditioning on the trading floor or in the control room.

Clear the desks! Use office space more effectively and benefit from a smaller desk footprint without computers at the workplace.

The Fibre Remote III solution supports various platforms and interfaces and is independent from specific hardware vendors.

The PC's security is completely unaffected. Neither software nor driver installations are required.

Highlights

- Dual link compatible
- USB 2.0 High Speed
- Crystal clear digital images
- Remote workstation video, audio and data links over single- or multimode fibre optic cable
- Reduce noise emissions and heat radiation at the desk
- Downsize desk footprints
- Achieve long distances without signal transmission disturbance
- No adjustments required

Features

With the Fibre Remote III solution it is possible to remote a PC with dual video outputs via one fibre optic cable.

Remoted links

Data links with the following interfaces can be remoted:

- Video (DVI-A/DVI-D)
- USB 2.0 High Speed
- Audio (Line out/Microphone)
- Serial ports

The transmitter accepts analogue (DVI-A) or digital (DVI-D) video signals. The receiver output is always digital.

USB to PS/2 adapters can be used for PS/2 keyboards and mouse devices at the desk.

Resolution Video Digital:

- 2xDVI max. 1920x1200 Pixels
- DVI Dual Link max. 2560x1600 Pixels

Resolution Video Analogue:

- 2xVGA max. 1600x1200 Pixels

Transmission

Remoted links are transmitted over fibre optic cable.

Distances up to 4km are possible using single-mode fibre with Fibre Remote III. Even longer distances can be realized using repeaters.

Transmission using duplex multi-mode cable is also available for distances up to 300m.

Product Lines

The Fibre Remote III transmitter and receiver are available as EURO format cards mounted and powered by chassis available in different sizes and shapes.

Chassis for EURO format cards

- DVI card modules can be mounted in a variety of housing units.
- 19" / 3 units high chassis with resilient dual power supplies



- Compact desk housing with integrated or external power supply and ventilation



Transmitter for TwP Video Switches

The Fibre Remote TwP transmitter converts the TwP output signals from the WEY Allocation System into fibre optic transmission.



Cabling system

The use of single or multi-mode fibre optic cables between transmitter and receiver ensures high picture quality and allows for the transmission of two high resolution video signals over distances up to 4km or more.

The PC's data (USB, serial) and audio signals are transmitted together with the video over one single-mode or two multi-mode fibres.

Additional video signals require separate cable connections to the desk.

Crystal clear images

Compared with twisted pair cable, one of the most significant benefits of fibre optic transmission is that signals do not require amplification and adjustment.

Due to the bandwidth available at the speed of light, video signals are transmitted without compression and in full colour depth, resulting in crystal clear images at the screen.

Even pictures at the highest resolution are transmitted in real time, resulting in minimal latency.

Moves, adds, changes

With PCs located in the system room and the modularity of the transmission lines, moves, adds and changes are easy and efficient.

Users can change desks without having to move PCs from one workplace to another. Simply re-patch the fibre connection between the transmitter in the system room and the receiver at the appropriate desk.

Space saving modules

The Fibre Remote III is available in EURO card format for installation in chassis.

Multiple chassis are available, with or without redundant PSUs, and in different sizes and shapes. Customized solutions can be developed and produced upon request.

At the desk, chassis supporting the Fibre Remote III Receiver are very compact in size, keeping the desk footprint down to an absolute minimum. Clever solutions have already been developed and implemented in partnership with innovative furniture suppliers.

Example

The example below shows an installation of the Fibre Remote III transmitter cards installed in 19" chassis with redundant PSUs. Without computers at the workplace office space can be used more effectively due to a smaller desk footprint.



Interfaces available on the Fibre Remote III modules:

1. LC Connector for single and multimode fibre
2. Service Port
3. Reset button
4. USB Type A
5. USB Type B
6. Audio In
7. Power / Link LED
8. Video In DVI-I
9. Video Out DVI-D
10. Audio Out
11. Serial

