



High density, small form factor, VGA extension over CATx cable

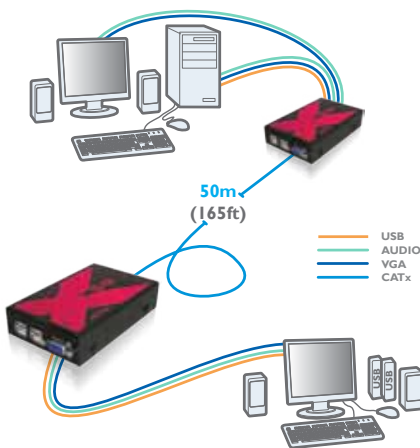
## ADDERLink X50 & X50-MS

Low/full speed USB 2.0, hi-res VGA and audio extender over a single CAT cable up to 50m



### PRODUCT IN BRIEF

ADDERLink X50s have been designed for use in applications where computers can have their USB peripherals including keyboards and mice, high quality video and audio control extended up to 50m (150 ft.) across CAT5 or higher UTP cable. The ADDERLink X50 provides sharp, bright and ultra high-resolution video over a VGA interface and ensures total USB compatibility regardless of the computer being controlled or the peripheral being extended.



### FEATURES

#### Fully transparent low/full speed USB

Utilising a unique method of USB communication, the ADDERLink X50 delivers the highest possible levels of USB compatibility. With an integrated 4 port hub the X50 supports all USB 1.1 and 2.0 low/full speed devices

#### Video performance

Crisp, clear and industry leading video quality at very high resolutions of 1920x1200 to 50m (150 ft.)

#### Video compensation

The ADDERLink X50 allows for a great range of very smooth and fine adjustments enabling the user to adjust the video picture to their exact preference

#### True DDC Emulation

Unless an extender actively supports DDC some high performance video cards cannot be used at high resolutions. The ADDERLink X50 fully supports 2-page DDC ensuring all possible resolutions are supported

#### Fully platform independent

As the ADDERLink X50 supports fully transparent USB connections it is able to support all common hardware platforms including PC, Sun and MAC and their associated peripherals

#### Digital audio

Adder's unique digital transmission of audio signals means the ADDERLink X50

delivers clickless, 44.1kHz CD quality, stereo audio without the need for an additional CATx cable

#### Dual Access

For local control of extended computers the ADDERLink X50 provides both a local video and audio output at the transmitter unit. (USB devices can be plugged directly into the computer)

#### Extended common mode input range

To ensure full operation in all environments and avoid problems such as screen blanking in industrial environments caused for example by large electrical equipment switching, the ADDERLink X50 implements a special termination system that allows the common mode range to be extended

#### ADDERLink X50-MultiScreen

The ADDERLink X50-MultiScreen adds a second video and transparent, high speed RS232 up to baud rates of 19200. This extra functionality adds to the diverse range of solutions for which the ADDERLink X50 can be utilised including the extension of computers with dual monitors and allow it to be used in touch screen and interactive kiosk applications

#### High density rack mount option

Being part of Adder's X series range of KVM extenders, the ADDERLink X50 units can be mounted into a chassis that will allow 16 (X50) or 8 (X50-MS) units to be housed in 2U of rack space.

# ADDERLink X50 & X50-MS

Low/full speed USB 2.0, hi-res VGA and audio extender over a single CAT cable up to 50m

## ABOUT ADDER

Adder is a leading developer and thought leader in connectivity solutions. Adder's advanced range of KVM switches, extenders and IP solutions enable the control of local, remote and global IT systems across the enterprise. The company distributes its products in more than 60 countries through a network of distributors, resellers and OEMs. Adder has offices in the United States, United Kingdom, Germany, the Netherlands, Sweden, China and Singapore.

To find out more, visit:  
<http://www.adder.com>

## TECHNICAL SPECIFICATIONS

### Video Resolution

1920x1200 x 60Hz at distances up to 50m / 150 ft.

### Extension Distance

Up to 50m / 150 ft. using CATx cable (x=5,5e,6)

### Devices Supported

Supports all computers with USB style keyboards and mice, HDD15 video connectors and audio through 3.5 mm audio jack. Supports all USB devices

### O/S Compatibility

All known software and operating systems including Windows (all), DOS, Linux, Unix, BSD, Sun OS, Solaris, Mac OS, NetWare etc.

### Connectors (local / computer)

**ADDERLink X50:** Video input/output: HDD15, Keyboard/Mouse/USB devices USB type B, Audio input/output: 3.5mm jack, CATx: RJ45 connector, Power: 2.5mm DC jack

**ADDERLink X50-MultiScreen:** Same as X50 plus extra Video input/output: HDD15 and Serial: DB9

### Connectors (remote / console)

**ADDERLink X50:** Video: HDD15, Keyboard/Mouse/USB devices: USB Type A hub, Audio: 3.5mm jack, CATx: RJ45 connector, Power: 2.5mm DC jack

**ADDERLink X50-MultiScreen:** Same as X50 plus extra Video: HDD15 and Serial: DB9

### Physical (local / computer)

**ADDERLink X50:** All metal case, 120mm / 4.7" (w) x 75mm / 3" (d) x 26mm / 1" (h) 430g / 1 lb.

## ORDERING INFORMATION

X50-XX: X50 single version  
X50-MS-XX: X50 MultiScreen version

XX = Mains Lead Country Code:  
UK = United Kingdom  
US = United States  
EURO = Europe  
AUS = Australia

## ADDITIONAL ACCESSORIES

X-RMK-X50: Rack Mount plate for X50 single version (usable for local and remote modules)  
X-RMK-X50-DA: Rack mount plate for X50 MS version (usable for local and remote modules)  
X-RMK-CHASSIS: Rack mount chassis

## RELATED PRODUCTS

Adder offer a vast range of products to suit your needs. Other products you may be interested in include:

ADDERLink INFINITY  
ALIF1000



ADDERLink X-DVI PRO  
X-DVIPRO



ADDERLink X-USB PRO  
X-USBPPO



ADDERLink X200  
X200/R; X200A/R;  
X200AS/R



**ADDERLink X50-MultiScreen:** All metal case, 120mm / 4.7" (w) x 75mm / 3" (d) x 44mm / 1.7" (h) 430g / 1 lb.

### Physical (remote / console)

**ADDERLink X50:** All metal case, 120mm / 4.7" (w) x 75mm / 3" (d) x 26mm / 1" (h) 430g / 1 lb.

**ADDERLink X50-MultiScreen:** All metal case, 120mm / 4.7" (w) x 75mm / 3" (d) x 44mm / 1.7" (h) 430g / 1 lb.

### Power (remote only)

100 - 240VAC, 10W, 50-60Hz

### Operating temperature

0 to 40°C / 32 to 104°F

### Approvals

CE, FCC



© Copyright 2012 Adder Technology Ltd. All brand names and trademarks are the property of their respective owners. LMx50&x50ms\_v3.indd

## ADDER TECHNOLOGY

Saxon Way, Bar Hill,  
Cambridge, CB23 8SL UK  
Tel: +44 (0)1954 780044 Fax: +44 (0)1954 780081  
email: [sales@adder.com](mailto:sales@adder.com) [www.adder.com](http://www.adder.com)

## ADDER CORPORATION

350R Merrimac St.  
Newburyport, MA 01950 USA  
Tel: +1 888 932 3337 Fax: +1 888 275 1117  
email: [usasales@adder.com](mailto:usasales@adder.com) [www.adder.com](http://www.adder.com)

## ADDER TECHNOLOGY ASIA PACIFIC

8 Burn Road  
#04-10 Trivex, Singapore 369977  
Tel: +65 6288 5767 Fax: +65 6284 1150  
email: [asiasales@adder.com](mailto:asiasales@adder.com) [www.adder.com](http://www.adder.com)



# ADDER®