



Second generation extender to transmit VGA video, audio and transparent USB over CATx cable

## ADDERLINK X-USB PRO

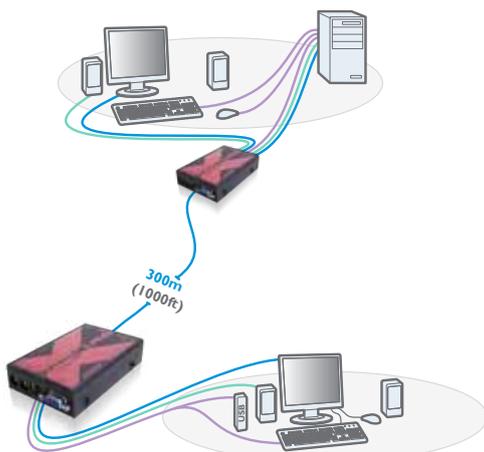
VGA, audio and transparent USB2.0 up to 300m over CATx cable



### PRODUCT IN BRIEF

Adder's next generation USB, video and audio extender delivers sharp, bright and high resolution video images and high quality audio at distances up to 300m (1000ft) over a single CATx cable.

The AdderLink X-USB PRO has been designed to provide industry-leading video clarity, compatibility and high rack densities.



### FEATURES

#### Digital like video

VGA resolutions of 1920 x 1200 are achievable at 300 meters (1000ft). This is achievable by including a variable noise filter which overcomes issues introduced by increased gain as the length of the cable increases over 200 meters.

#### Video compensation

A Multi-pole compensation technique is used enable superb video quality at maximum distance over a single cable. For the first time, adjustment can be made for cable type and cable length with further color skew compensation and gain adjustment to ensure crystal clear images, all from the receiver's keyboard.

#### Local feed through port

A local feed through port is provided for audio and video so a local console can be used.

#### USB powered transmitter

The transmitter is powered via its USB port to reduce the need for external supplies. There is an option for an external power supply if the USB port has insufficient power.

#### Dual user configuration

Two X-USB PRO units can be linked to a single computer so two users can access the system. When using two sets of X-USB PRO modules to allow two

users to access a single computer the arbitration between the users is handled by the USB sub-system of the computer. This means that both users can control the computer at exactly the same time and the resulting keyboard and mouse influences will be an amalgam of the two inputs.

#### Emulated two page DDC EDID

This extender supports full two page DDC EDID. Some high performance video cards require the two page data or they will not deliver optimal performance.

#### USB support

The X-USB extends USB 2.0 (low and full speed) allowing all USB compatible accessories (including isochronous devices) to be extended. The receiver unit has a built in 4 port USB hub to enable a complete desktop to be located remotely, including a keyboard, monitor, mouse, disk drive, flash memory stick, webcam, and any other device that would normally be plugged into your computer's USB port.

#### Audio

Audio transmission delivers CD quality stereo audio for speakers.

#### Rack options

Both transmitter and receiver units can be used stand-alone or up to 16 units can be mounted into a 2U chassis.

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## 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 resolutions

All resolutions up to 1920x1200 @60Hz, including 1600x1200, 1080p, 1680x1050

### Extension distance

200 meters using CAT5 Trunk cable  
250 meters using CAT5e Trunk cable  
300 meters using CAT6 Trunk cable  
300 meters using CAT7 Trunk cable  
200 meters using CAT7a Patch cable

### Skew compensation

62ns de-skew with 2ns resolution (1/4 pixel at 1600x1200)

### USB devices supported

Supports all USB 1.1 devices (full speed and low speed modes) and USB 2.0 devices that will run in low speed or full speed USB 1.1 modes

### 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-end unit)

1 x USB type B connector, 2 x 15-pin high-density D-type female connector (blue), 2 x 3.5mm audio jack (light green), 1 x RJ45. 1 x 2.5mm DC jack for optional power adapter (only required for video only applications)

### Audio (end to end)

2 channel 16 bit Audio @ 44.1 KHz  
THD+N typically -80dB at 1kHz  
SNR typically 85dB at 1kHz

## ORDERING INFORMATION

AdderLink X-USB PRO: X-USBPRO-XX

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

## ADDITIONAL ACCESSORIES

Rack mount plate with screws included:

X-RMK-FASCIA

Rack mount chassis:

X-RMK-CHASSIS

### Connectors (remote console-end unit)

4 x USB type A connectors, 1 x 15-pin high-density D type female connector (blue), 1 x 3.5mm audio jack (light green), 1 x RJ45. 1 x 2.5mm DC jack for power adapter.

### Physical (Local and Remote units)

Remote - 162mm x 26mm x 75mm, 430g  
Local - 122mm x 26mm x 75mm, 350g

Fits into one slot width in the X-Series rack mount chassis (16 units fit into 2U of rack space)

### Power supply

100 - 240VAC, 50/60Hz input - 5V, -12W output

### Operating temperature

0°C to 40° / 32°F to 104°F

### Approvals

CE, FCC class A

## RELATED PRODUCTS

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

ADDERLink INFINITY  
ALIF1000P; ALIF1000R;  
ALIF1000T



ADDERLink X50  
X50



ADDERLink X50 MS  
X50-MS



ADDERLink X DVI PRO  
X-DVIPRO



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



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