



ADDERLink™ X-USB PRO

Digital Extender

VGA, audio and transparent USB2.0 up to
300m/1000ft over a single CATx cable



Features

Digital like video

VGA resolutions of 1920x1200 are achievable at 300m/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 200m/650ft.

Video compensation

A multi-pole compensation technique is used to 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 the USB port to reduce the need for external power supplies. There is an option for an external power supply if the USB port has insufficient power.

Dual user configuration

Two ADDERLink™ 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 subsystem 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 amalgamation 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

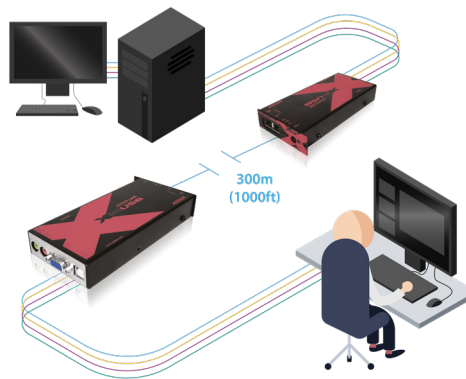
The X-USB PRO extends USB2.0 (low and full speed) allowing all USB compatible accessories (including isochronous devices) to be extended. The receiver unit has a built-in 4 port USB hub to enable a complete desktop to be located remotely, including a keyboard, monitor, mouse, disk drive, flash memory 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.



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.

Technical Specifications

Video resolutions

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

Extension distance

- 200m/650ft using CAT5 Trunk cable
- 250m/800ft using CAT5e Trunk cable
- 300m/1000ft using CAT6 Trunk cable
- 300m/1000ft using CAT7 Trunk cable
- 200m/650ft using CAT7a Patch cable

Skew compensation

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

USB devices supported

- Supports all USB1.1 devices (Full-speed and Low-speed modes) and USB2.0 devices that will run in low speed or full speed USB1.1 modes

O/S compatibility

- Operates with all currently known software and operating systems including Windows, DOS, Linux, Unix, Sun OS, Mac OS and NetWare versions

Connectors (local computer-end unit)

- 1x USB Type-B connector, 2x 15-pin high-density D-type female connector (blue)
- 2x 3.5mm audio jack (light green), 1x RJ45
- 1x 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 @1kHz
- SNR typically 85dB @1kHz

Connectors (remote console-end unit)

- 4x USB Type-A connectors, 1x 15-pin high-density D-Type female connector (blue)
- 1x 3.5mm audio jack (light green), 1x RJ45
- 1x 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

Environmental

- Operating temp: 0 to 40°C/32 to 104°F
- Humidity: 0-90% RH, non-condensing
- Altitude: 0-2000m/6562ft

Approvals

- CE, FCC class A, UKCA.



ADDERLink X-USB PRO - Local



ADDERLink X-USB PRO - Remote

Ordering Information

X-USBPRO-XX: ADDERLink™ X-USB PRO Pair including TX and RX units

Accessories (Sold Separately)

X-RM-FASCIA: Rack mount plate with screws included

X-RMK-CHASSIS: Rack mount chassis

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 China, Germany, Japan, the Netherlands, Singapore, Spain, France, Sweden, United Kingdom and United States.

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