ADDERLink™ XD522

High resolution video extender with USB2.0 over a single cable

Features

Perfect digital video, real time control
The system is uncompressed, whereby every pixel of every frame is sent without loss and without added latency. The receiver will support DVI or HDMI monitors by using the correct adapters.

Single CATx cable
Video, USB2.0 (HID-only) and audio all pass along a single cable. A second CATx cable is required for the Hi-Speed USB2.0 extension.

Up to 150m / 500ft extension distances
Distance is dependent on the monitor resolution, number of monitors, cable type and the number of connection breaks for patch panels and wall plates. See table on reverse for details.

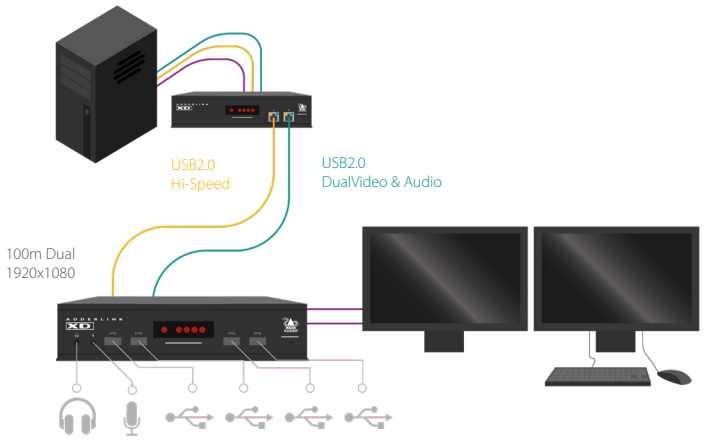
USB2.0
Enables connection of any USB human interface device from mouse and keyboards through to graphics tablets, jog shuttles, joysticks and 3D explorers. Mass storage devices and isochronous devices such as webcams and headsets can be used through the transparent USB2.0 Hi-Speed port.

EDID management
The system has intelligent EDID management to allow the true characteristics of the monitor to be passed back to the computer.

Plug and play
The ADDERLink™ XD522 extender is delivered in a zero config state so you can plug the units in and start working with them straight away. There is no need for drivers or software to be installed.

Digital audio
Supports display port audio and S/PDIF interface via an optical 3.5mm jack socket (dual use with analog audio via mini Toslink).

HD quality analog audio
HD audio quality (stereo channel 24 bit sampled at 96kHz) is available to transfer audio from local to remote for Line in / Line out. Microphone in and headphone use cases are also supported.



Product In Brief

ADDERLink™ XD522 is a high performance KVM (Keyboard, Video, Mouse) extender that enables you to locate your critical computing hardware in a secure and temperature controlled environment away from the user work station whilst maintaining the same user desktop experience.

It can transmit either two 1920x1200 @60Hz video streams or one higher resolution video stream (3840x2160 @30Hz or 2560x1600 @60Hz resolutions), digital audio (S/PDIF), analog audio, Hi-Speed USB2.0 and USB2.0 (full and low speed) over CATx cables.

- Plug and play
- 4K @30Hz, 2560x1600 @60Hz
- 150m / 492ft extension distance for a single 1920x1080 screen
- 100m / 328ft extension distance for two 1920x1200 @60Hz screens or a single high resolution screen to 3840x2160 @30Hz or 2560x1600 @60Hz (8bit)
- Supports 10 bits per color on a single monitor up to 1920x1200 @60Hz
- USB2.0 Hi-Speed for mass storage devices plus: keyboard, mouse tablet and touch
- Supports DisplayPort™ audio, S/PDIF and analog audio

Extension Distance Information

Recommended cables are CAT7 shielded foiled twisted pairs:

Daetwyler 7702 Flexible patch cable
Daetwyler 7120 Bulk cable

Resolution	Cable type	Patch connection	Total distance
2560x1600 @60Hz or two 1920x1080 @60Hz or 4K @30Hz	CAT7 Bulk (Trunk)	0	100m / 328ft
2560x1600 @60Hz	CAT7 Patch	2	80m / 262ft
2560x1600 @60Hz	CAT6a	2	70m / 229ft
2560x1600 @60Hz	CAT5e	2	60m / 196ft
Single 1920x1080 @60Hz	CAT5e	2	150m / 492ft

Note:
Distances are achieved using single lengths of trunk / bulk cable with two 3m / 9ft CAT7a patch cables. For each additional break/patch connection reduce distance by 5m / 16ft. Preferably patch cables should be of type CAT7a and less than 2m / 6ft. Patch cables over 2m / 6ft must be CAT7a.

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

To find out more, visit: adder.com

Technical Specifications

Hardware compatibility
All computers with DisplayPort™, USB, audio, RS232 - requirement dependent.

DisplayPort™ interface
The system supports a maximum of 3840x2180 @30Hz (8bit) or 2560x1600 @60Hz on a single monitor or 1920x1200 @60Hz (10 bit)
Supports two monitors1920 x1200 @60Hz (8 bit).
The receiver unit can drive HDMI or DVI monitors with the use of the correct adapter. Content protection is not supported.

USB 2.0
Supports up to six USB2.0 devices (low or full speed). HID devices are supported on ports marked "A" and isochronous devices (i.e. USB audio or video devices) on the Hi-Speed link only marked "B".

DisplayPort™ audio
The system delivers analog stereo audio (Line in, line out) & supports microphone input & headphones. It also delivers S/PDIF (optical input) via a 3.5mm jack line in connector (mini Toslink). The DisplayPort™ audio path can have up to eight channels of 24-bit 192 kHz uncompressed "Pulse-code modulation" PCM audio or can encapsulate compressed audio formats in the audio stream. Supported compressed formats: DRA, Dolby™ MAT, DTS HD.

Ordering Information
XD522-DP-PAIR-XX: Pair including TX and RX units

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

Additional Accessories
RMK4V: VESA mounting bracket (screws included), can also be used to secure to walls and other surfaces
Two 19" rack mount brackets (screws included):
RMK4S: One unit per 1U rack slot
RMK4D: Two units per 1U rack slot

VSCD10: High bit rate DisplayPort™ 2m / 6ft cable
VSC24: USB 2m / 6ft cable (USB Type-A to B)
VSC40: RS232 DB9 connector to Options port cable

RS232
RS232 can be passed between the units to a maximum baud rate of 115K2 via the options port.

Software compatibility
All known operating systems.

Computer connections transmitter (TX)
DisplayPort™ x2, 3.5mm Audio in, Audio out 3.5mm, USB Type-B x2 , RS232 10p10c options port.

Peripheral Connections Receiver (RX)
DisplayPort™ ++ x2, Audio 3.5mm in, Audio 3.5mm out, Headphone 3.5mm out, Microphone 3.5mm in, USB Type-A x4, RS232 10p10c options port.

MTBF
Mean time between failure (MTBF) 100,000 Hours. Calculated to Telecordia standard SR332 issue 4 March 2016 @55°C.

Physical Design
1U compact case, robust metal construction. 198mm/7.92" (w), 44mm/1.76" (h), 120mm/4.8" (d), 0.75kg/1.65lbs.

Storage Temperature
-20°C to 70°C / -4°F to 158°F.

Humidity
10% to 90% (non-condensing).

Altitude
Max. 2,000m / 6,561ft.

Power
2.5mm DC jack (power adapter included), 100-240VAC 50/60Hz, 0.8A, input to power adapter, 5VDC 20W output from power adapter.

Operating Temperature
0 to 40°C / 32 to 104°F.

Approvals
CE, FCC, RCM, UL.

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