ADDERLink® XD612

KVM Extender

A high-resolution single or dual-head KVM extender. High definition video, USB2.0 and audio are transmitted on a single CATx or fiber cable.

Features

High resolution video, real-time control
The system supports resolutions up to 1920x1200 @60Hz using 8 bits per color and 4:4:4 chroma sampling. Either single or dual-heads are transmitted within a single cable.

- A single DisplayPort® 1.2 connection at the transmitter (TX)
- Either one or two video outputs at the receiver (RX)
- Dual-head utilizes DisplayPort™ MST (Multi-Stream Transport) technology
- A local pass-through video port is provided at the TX

Single cable
HD video, USB2.0 HID (human interface device) and audio are transmitted on a single CATx or fiber cable.

Up to 4km/2.5 mile range
The ADDERLink® XD612 (XD612) supports both copper and fiber interfaces. It provides a range of up to 100m/328ft over a CAT6 cable link, and up to 4km/2.5 miles over an optical fiber link.

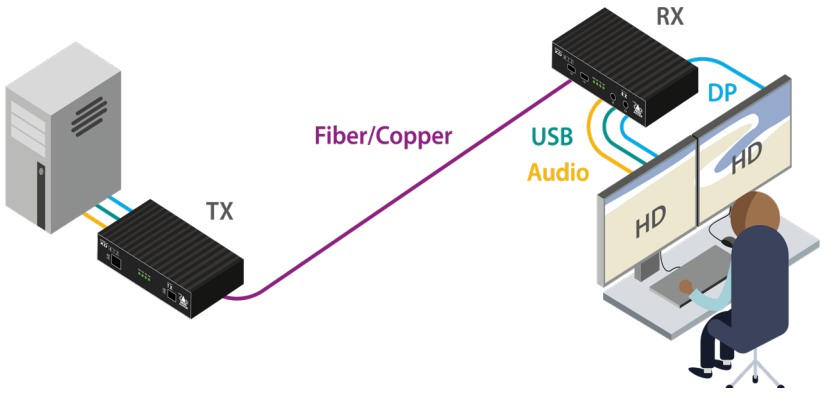
Emulated USB2.0
Enables connection of any full and low-speed USB HID from mouse and keyboards through to graphics tablets and jog shuttles.

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 XD612 extender is delivered in a zero config. state so it works, without the need for drivers or software, as soon as it is connected.

Audio
Video: Encapsulates two channels of 24-bit, 192kHz sampled "Pulse-code modulation" (PCM) audio with each video signal.
USB: Two channels of 24-bit, 96kHz sampled PCM audio.
Analog: Two channels of 24-bit, 96kHz audio for Line in/out, microphone and headphone/ speakers.

Serial communications
RS232 can be passed between the units to a maximum baud rate 115K2 with RTS/CTS flow control.



Product in Brief

The ADDERLink® XD612 is a high performance KVMA (Keyboard, Video, Mouse and Audio) extender that is designed to provide reliable and real-time access to critical computers – regardless of the location, whilst maintaining the same user desktop experience.

Developed for enterprise organizations and high-pressure control rooms, it combines the simplicity of true plug and play and high performance HD KVM extension; resulting in superior functionality and flexibility in a cost-effective, reliable and straight forward solution.

- Single or dual-head HD60 video, USB2.0 (HID) and audio are transmitted on a single CATx or fiber cable
- Point-to-point protocol for ultra-low latency
- Flexibility between copper and fiber connectivity
- Adder's USB True Emulation ensures reliable computer bootup

Technical Specifications

Video resolutions
- The system supports up to 2 heads at resolutions to a maximum of 1920x1200 @60Hz

Software compatibility
- All known operating systems. No drivers required

Extension technology
- 5Gb/s CATx or 10Gb/s fiber with ultra low latency adaptive video stream compression

Connections
Local unit - Transmitter (TX)
- 4x Tri-color status LEDs, DisplayPort™ in and local pass-through out, 2x USB2.0 Type-B, line in and out analog audio, RJ12 serial port, RJ45 and SFP+ ports

Remote unit - Receiver (RX)
- 4x Tri-color status LEDs, 2x DisplayPort™ out, 4x USB2.0 Type-A full-speed, mic in, headset and speaker out, RJ12 serial port, RJ45 and SFP+ ports

Physical Design
Robust metal construction
- TX and RX: 186mm/7.32"(W) x 39mm/1.54"(H) x 148mm/5.83" (D)
- TX: 1.29kg/2.84lbs
- RX: 1.24kg/2.73lbs

Power supply
- 100-240 VAC, 47/63Hz
- 12 VDC 18W output from power supply unit

Operating temperature
- 0ºC to 40ºC/32ºF to 104ºF

Storage temperature
- -10ºC to 50ºC/14ºF to 122ºF

Humidity
- 0% to 80% (non-condensing)

Approvals
- UKCA, CE, FCC, ICES, RCM, cULus

Extension Distance

Cable type	Distance
Fiber (SM)	4km/2.5 miles
Fiber (MM)	300m/984ft
CAT6	100m/328ft
CAT5e	50m/164ft

SM (Single-Mode Fiber)
MM (Multi-Mode Fiber)
CAT6 is recommended for CATx extensions. CATx extensions are limited to 2 short patch connections. Patch cables should be CAT6 or better.

ADDERLink XD612 RX - Front & Rear

ADDERLink XD612 TX - Front & Rear

Ordering Information

XD612P-DP-XX: ADDERLink XD612 HD Dual-Head Extender

What's in the Box?

1x TX and RX pair
2x power supply unit with country specific mains cable
1x 2m/6.5ft DisplayPort™ cable **(VSCD18)**
1x 2m/6.5ft USB cable **(VSC24)**
1x 2m/6.5ft Audio cables
1x quick start guide

Accessories (Sold separately)

RMK15: Rack mount kit

VSCD18: 2m/6ft High bitrate DisplayPort™ cable

VSC50: Serial cable, RJ12 to RS232

SFP-SM-LC-10G: Single mode 10G SFP with LC connectors

SFP-MM-LC-10G: Multi-mode 10G SFP with LC connectors

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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