ADDERLink®
XD614

KVM Extender

A high-resolution quad-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. Up to four heads are transmitted within a single cable by utilizing DisplayPort® 1.2 MST (Multi-Stream Transport) technology.

- An integral MST hub is included for users requiring dual-head output.
- Four heads are supported by either daisy chaining MST compliant monitors, or using standard monitors connected to an external MST hub.
- A local pass-through port at the transmitter (TX) outputs the first video head within the MST signal.

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 extension distances
The ADDERLink XD614 supports both copper and fiber interfaces. It provides a range of up to 100m over a CAT6 cable link, and up to 4km 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 ADDERLink XD614 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.
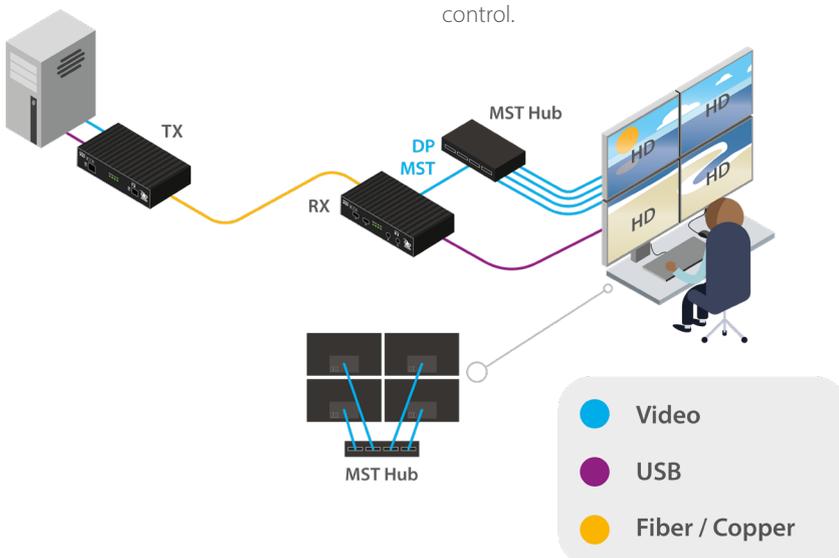
Serial communications
RS232 can be passed between the units to a maximum baud rate 115K2 with RTS/CTS flow control.

Product in Brief

The ADDERLink® XD614 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 straightforward solution.

- Quad-head HD 60 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 emulation ensures reliable computer bootup.

Technical Specifications

Video resolutions
- The system supports up to 4 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)
- 4 x Tri-color status LEDs
- DisplayPort® in and local pass-through out
- 2 x USB2.0 Type B
- Line in and out analog audio
- RJ12 serial port
- RJ45 and SFP+ ports

Remote unit - Receiver (RX)
- 4 x Tri-color status LEDs
- 2 x DisplayPort® out
- 4 x USB2.0 full speed Type A
- 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), 39mm/1.54" (h), 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/13,123ft
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 patch connections. Patch cables should be CAT6 or better.

ADDERLink XD614 RX - Front & Rear

ADDERLink XD614 TX - Front & Rear

Ordering Information

XD614P-DP-XX: ADDERLink HD quad-head extender

What's in the Box?

1x TX and RX pair
2x Power supply unit with country specific mains cable
1x DisplayPort® cable (**VSCD18**)
1x USB cable (**VSC24**)
1x Audio 2m/6ft cable
1x Quick start guide

Accessories (Sold separately)

RMK15: Rack mount kit
VSCD18: High bit rate DisplayPort® 2m/6ft 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.

To find out more, visit: adder.com

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