





A high-resolution single-head KVM extender. Ultra high-definition 4K60 video, USB 2.0 and audio are transmitted on a single CATx or fiber cable.

High performance KVMA extender that is designed to provide reliable and real-time access to critical computers - regardless of the location, while maintaining the same user desktop user experience.

ADDERLink® XD641 T

Single-Head DCI 4K60 Video

Supports single head 4096x2160@60Hz (DCI 4K60) with 24-bit colour and 4:4:4 chroma.

Up to 4km Extension

Supports both copper and fiber interfaces. 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 (Fiber SFP modules sold seperately).

Emulated USB 2.0

Emulation ensures reliable connection of up to four full and low speed HID devices, from mouse and keyboards through to graphics tablets and jog shuttles.

Plug and Play

Uses a low-latency point-to-point protocol over a single CATx or fiber cable that works as soon as it is connected. No network set-up, driver or software is required.

Digital Audio over DisplayPort

Supports up to eight channels of 24-bit, 192kHz sampled PCM audio over the DisplayPort connection.

Analog Audio

Plug analog line in/out and headphones directly into the receiver. Audio is transmitted as bi-directional stereo 24-bit/96kHz using either analog or USB connection to the host.





Monitor Flexibility

EDID management allows the monitor capabilities to be passed back to the host computer for optimum compatability. Additionally, a local monitor may be connected at the transmitter side.

Serial communications

RS232 can be passed between the units to a maximum rate of 115200 baud with RTS/CTS flow control.

Video Information (1 Screen)	
Maximum Resolution (1 Screen)	4096 x 2160
Frame Rate (1 Screen)	60 Hz
Color Depth (1 Screen)	8 bpc

Video Additional Information	
Video Additional Information	Transmitter features a local DisplayPort video pass through (Console Connection)

Computer Connections	
USB B	1x 2.0, True Emulation (HID Only),Full Speed
USB B	1x 2.0, True Emulation,Full Speed
Full Size DisplayPort	1x 1.2

Console Connections	
Full Size DisplayPort	1x 1.2

Link Ports	
8p8c (RJ45)	1x
SFP+	1x

Serial Ports	
Serial Connection	1x RS232
Maximum Baud Rate	115200
Serial Additional Information	With RTS/CTS flow control
Serial Connection Type (console)	RJ12 (6p6c)

Audio Connections	
Audio Type	Analog/Digital
Channels	2x
Audio Direction	Bi-directional
Audio Additional Information	Also supports 8 channels of 24-bit/192kHz PCM audio over the DisplayPort connection. Analog audio can be connected to the host using analog or USB ports
Size (bit)	24
Speed (kHz)	96
Audio In Port	1x 3.5mm jack
Audio Out Port	1x 3.5mm jack

Cable Requirements

CAT5e	50m / 164ft
CAT6 (SFTP)	100m / 328ft
Fiber (MM)	400m / 1312ft
Fiber (SM)	4,000m / 13123ft

Network Support	
10/100 Support	No

Environmental	
Operating Temperature Range °C / °F	0 to 40 °C / 32 to 104 °F
Storage Temperature °C / °F Range	-10 to 50 °C / 14 to 122 °F
Operating Humidity (%)	0% - 80% (non-condensing)
Storage Humidity (%)	0% - 80% (non-condensing)
Altitude m/ft	2,000 / 6562
Mean Time Between Failure (MTBF)	500,000 h
MTBF Standard	Telcordia SR332 Issue 4 March 2016 Calculated @ 55C
Temperature Regulation	Fanless

Power Source	
12V 3-pin	1x
Input Power Supply	PSU 18W
Power Additional Information	100-240 VAC, 47/63Hz • 12 VDC 18W output from power supply unit

Physical Design	
Construction Material	Robust metal construction
Width (mm) / (in.)	186 / 7.3
Height (mm) / (in.)	39 / 1.5
Depth (mm) / (in.)	148 / 5.8
Weight (kg) / (lb)	1.29 / 2.8

Front Panel Features	
Multi color status LEDs	4x

Compatibility	
OS Compatibility	All known operating systems

Approvals and Standards	
Approvals	CE, cULus - E476334, FCC, ICES, RCM, UKCA

Standards	ANSI 63.4, EN/IEC 62368-1, EN55032 /CISPR 32, EN55035/CISPR 35, EN61000-3-2, EN61000-3-3, EN63000, FCC pt15B, ICES003
Other	Cal Prop 65, China ROHS, EU REACH, UK REACH

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

Ordering Information	
XD641P-DP-XX	ADDERLink® 4K single-head extender

Related Accessories (Sold Separately)
ADDER® VSCD DisplayPort™ Cable
ADDER® SFP-SM-LC-10G
ADDER® SFP-MM-LC-10G
ADDER® Rackmount Kit RMK15-SH

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