



**A high-resolution, quad-head KVM extender. High-definition video, transparent full-speed USB 2.0 and audio are transmitted on a single CATx or fiber cable.**

A high performance KVMA extender that is designed to provide reliable and real-time access to critical computers while 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 4K KVM extension for superior functionality and flexibility.

## ADDERLink® XD C650 R

### Quad-Head High-Definition Video

Supports quad-head 1920x1200@60Hz or single head 4096x2160@60Hz (DCI 4K60). Quad-head enabled over a single cable using DisplayPort 1.2 Multi-Stream Transport (MST) technology.

### Emulated and Hi-Speed USB 2.0

USB 2.0 emulation ensures reliable connection of full and low speed HID devices (mouse or keyboard). Mass storage devices and isochronous devices, such as webcams and audio headsets can also be used through the transparent USB 2.0 Hi-Speed port.

### Digital Audio over DisplayPort

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

### 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 separately).

### 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.

### 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 an analog or USB connection to the host.



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### Monitor Flexibility

EDID management allows the monitor capabilities to be passed back to the host computer for optimum compatibility.

### 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 Information (2 Screen)

|                                |             |
|--------------------------------|-------------|
| Maximum Resolution (2 Screens) | 2560 x 1600 |
| Frame Rate (2 Screens)         | 60 Hz       |
| Color Depth (2 Screen)         | 8 bpc       |

#### Video Information (3 Screen)

|                                |             |
|--------------------------------|-------------|
| Maximum Resolution (3 Screens) | 1920 x 1200 |
| Frame Rate (3 Screens)         | 60 Hz       |
| Color Depth (3 Screen)         | 8 bpc       |

#### Video Information (4 Screen)

|                                |             |
|--------------------------------|-------------|
| Maximum Resolution (4 Screens) | 1920 x 1200 |
| Frame Rate (4 Screens)         | 60 Hz       |
| Color Depth (4 Screen)         | 8 bpc       |

#### Video Additional Information

|                              |  |
|------------------------------|--|
| Video Additional Information | Supports HD60 Quad-Head or 4K60 Single-Head. |
|------------------------------|--|

#### Console Connections

|                       |  |
|-----------------------|--|
| USB A                 | 3x 2.0, True Emulation (HID Only),Full Speed |
| USB A                 | 1x 2.0, Transparent,Full Speed               |
| Full Size DisplayPort | 2x 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 |
|------------|----------------|

|                                     |   |
|-------------------------------------|---|
| <b>Channels</b>                     | 2x  |
| <b>Audio Direction</b>              | Bi-directional  |
| <b>Audio Additional Information</b> | Also supports 2 channels of 24-bit/192kHz PCM audio over the DisplayPort connection |
| <b>Size (bit)</b>                   | 24  |
| <b>Speed (kHz)</b>                  | 96  |
| <b>Audio In Port</b>                | 1x 3.5mm jack   |
| <b>Audio Out Port</b>               | 2x 3.5mm jack   |

#### Cable Requirements

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

#### Network Support

|                       |    |
|-----------------------|----|
| <b>10/100 Support</b> | No |
|-----------------------|----|

#### Power Source

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

#### Physical Design

|                              |                           |
|------------------------------|---------------------------|
| <b>Construction Material</b> | Robust metal construction |
| <b>Width (mm) / (in.)</b>    | 186 / 7.3                 |
| <b>Height (mm) / (in.)</b>   | 39 / 1.5                  |
| <b>Depth (mm) / (in.)</b>    | 148 / 5.8                 |
| <b>Weight (kg) / (lb)</b>    | 1.24 / 2.7                |

#### Front Panel Features

Multi color status LEDs

#### Compatibility

|                         |                             |
|-------------------------|-----------------------------|
| <b>OS Compatibility</b> | All known operating systems |
|-------------------------|-----------------------------|



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### 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

XD-C650P-DP-XX

ADDERLink HD quad-head transparent USB2.0 extender

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