

ADDERLink® INFINITY 1102

Matrix DisplayPort™ Connectors



Single-head digital video, audio, and USB2.0 over 1GbE IP network.

Features

Perfect Digital Video, Real-Time Control

Using a spatially-lossless encoding system, with 1:1 pixel mapping, the ADDERLink INFINITY 1102 (ALIF1102) provides pixel-perfect and color accurate video with no artifacts. The digital video received is the same as the digital video leaving the remote computer.

Standard IP Technology

Using standard IP technology allows a choice of CATx or fiber connections. Resilience is offered by the optional second network port which provides teaming facility for load balanced and critical systems.

Unlimited Extension Distances

Extension distance is not limited to a single 100 meter cable length. If you need to extend further, simply add a 1GbE network device to achieve an additional 100 meters. This can be repeated many times. Also fitted with SFP cages to accept fiber optic transceivers for much greater distances.

USB 2.0 with Class Control

Supports USB devices including graphics tablets, jog shuttles, joysticks and 3D explorers, alongside mass storage devices. For secure applications, the system can disable the use of non-HID devices, meaning there is no need to physically block USB ports to prevent the use of mass storage devices.

Flexible and Scalable Extender or Switch

Each ALIF1100 model unit can be configured as a simple extender or self-managed distributed KVM switch. Each receiver can see up to 16 sources and rapidly switch between them.

ADDERLink® INFINITY Matrix

With the addition of the ADDERLink® INFINITY Management (AIM) system, you can turn multiple point-to-point extenders into a scalable digital KVM matrix system that allows any workstation to link with any computer connected to the network.

EDID Management

Intelligent EDID management allows the true characteristics of the monitor to be passed back to the computer. This ensures perfect video display without additional configuration.

Plug and Play

ADDERLink INFINITY devices are delivered in a zero config state so you can plug them in and start working on them straight away. There is no need for drivers or software to be installed.

Redundant Network Operation

The units support network teaming allowing for full network redundancy and increased resilience for mission critical applications.

Digital Audio

The ALIF1100 models support 2 channel digital audio input via USB and the digital video connector.

Touch Screen Support

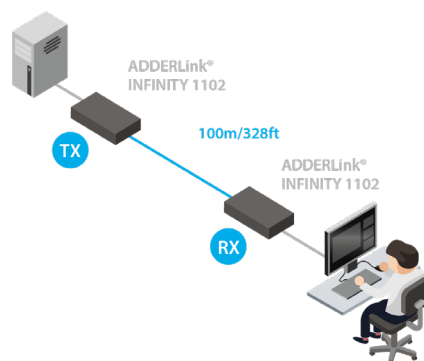
Touch screen support including onscreen keyboard and floating launch button with configurable size which can be positioned anywhere on the screen

Support for Dithered Video

Allows analog or noisy video to pass through the system along with computer that dither the video to enhance the perceptible image quality. Some Mac® computers use this technique.

Product In Brief

The ADDERLink® INFINITY 1102 is a high performance IP KVM extender that forms part of the ADDERLink INFINITY Range. This enables the relocation of critical computing hardware into a secure and temperature controlled environment away from the user work station; while maintaining a pixel-perfect desktop experience.



Technical Specifications

Video Information (For 1 Screen)

- Maximum Resolution: 2560 x1600
- Frame Rate: 60
- Colour Depth: 8 bpc

Computer Connections (TX)

- USB B: 1x 2.0 True Emulation, High Speed
- USB A: 1x 2.0 True Emulation
- 1x Full Size DisplayPort

Console Connections (RX)

- USB A: 4x 2.0
- Full Size DisplayPort: 1x 1.1

Link Ports

- 1x 8p8c (RJ45)
- 1x SFP

Serial Ports

- Serial Standard: RS232
- Maximum Baud Rate: 115,200
- Serial Additional Information: RS232 or other serial standards can be passed between the units to a maximum baud rate of 115,200 by using serial to USB converters

Audio Connections

- Audio Type: Analog/Digital
- Channels: 2
- Audio In Ports: 1x 3.5mm jack
- Audio Out Port: 1x 3.5mm jack (RX)
- Audio Direction: Bi-directional
- Size (bit): 16
- Speed (kHz): 48
- Additional Information: Analog audio and audio via digital video connector is uni-directional. USB audio is bi-directional

Network Support

- Bandwidth: 1GbE

Environmental

- Operating Temperature: 0 - 40 °C / 32 - 104 °F
- Storage Temperature: 0 - 40 °C / 32 - 104 °F
- Operating Humidity (%): 5% - 90% (non-condensing)
- Storage Humidity (%): -10% - 90% (non-condensing)
- Altitude: 2000m / 6561.68ft
- Mean Time Between Failure (MTBF): 476,000 h (TX), 340,000 h (RX)
- MTBF Standard: Telcordia SR332 Issue 4 March 2016 Calculated @ 55C
- Temperature Regulation: Fanless

Power Source

- 1x 12V 3-pin
- Input Power Supply: External Power Supply Unit (see manual)

Power Consumption

- Maximum Power (Watts): 18
- Typical Power (Watts): 7

Physical Design (TX)

- Construction Material: Robust metal construction
- U size: 1
- Width: 136mm / 5.35in
- Height: 39mm / 1.54in
- Depth: 150mm / 5.91in
- Weight: 0.8kg / 1.76lb

Physical Design (RX)

- Construction Material: Robust metal construction
- U size: 1
- Width: 186mm / 7.32in
- Height: 39mm / 1.54in
- Depth: 150mm / 5.91in
- Weight: 1.1kg / 2.43lb

Compatibility (TX)

- 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

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(Registered in England and Wales No. 01822478)



ADDERLink INFINITY 1102 TX - Rear



ADDERLink INFINITY 1102 RX - Rear

Ordering Information

ALIF1102T-XX: ALIF1102 Transmitter

ALIF1102R-XX: ALIF1102 Receiver
(XX: Mains Lead Country Code)

What's in the Box?

ALIF1102R-XX: ALIF1102 Receiver

- 1x ALIF1102 Receiver
- 1x PSU-IEC-12VDC-1.5A: Mains power supply
- 1x IEC PSU cable of country code

ALIF1102T-XX: ALIF1102 Transmitter

- 1x PSU-IEC-12VDC-1.5A: Mains power supply
- 1x IEC PSU cable of country code
- 1x VSCD18: 2m/6.5ft DisplayPort cable
- 1x VSC24: 2m/6.5ft USB cable
- 1x VSC22: 2m/6.5ft Audio cable

Accessories (Sold Separately)

PSU-IEC-12VDC-1.5A: IEC power supply
VSC48: 2 Meter 3PIN Lockable 12V power extension cable

Rack mount kits for RX units:

RMK15: 2 in 1U

Rack mount kits for TX:

RMK17: 3 in 1U
RM17-BP: 1/3 width blanking plates x 2 for RMK17

SFP-MM-LC: Multi-mode 1GbE SFP fiber module with LC connectors

SFP-SM-LC: Single mode 1GbE SFP fiber module with LC connectors

SFP-CATX-RJ45: 1GbE SFP for CATX cable

VSCD17: 2m/6.5ft DisplayPort™ cable

VSCD19: DisplayPort™ v1.2 to HDMI® cable

About Adder

A global market leader in connectivity solutions, Adder Technology enables the real-time control and management of distributed IT systems. With a presence in over 60 countries, Adder works with a network of distributors, resellers and OEMs to connect millions of devices worldwide. Adder is a thought leader and continues to deliver excellence through innovation.

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](https://www.adder.com)

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