

ADDERLink® INFINITY 2124T

IP KVM Matrix



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

Part of the ADDERLink INFINITY 2000 Series

Features

Perfect digital video, real time control

Using a spatially-lossless encoding system, with 1:1 pixel mapping, the ADDERLink INFINITY 2124T (ALIF2124T) 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 single or dual structured cable (CATx) or fiber connections achieving reliable links without interference combined with the resilience of two network port which provide teaming facility for load balanced 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, which 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 ALIF21XX series 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 ADDERLink® INFINITY Management system (AIM) you can turn multiple point-to-point extenders into a truly 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

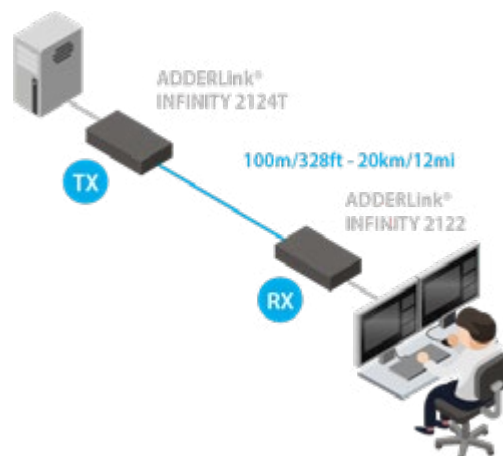
ADDERLink® INFINITY devices are delivered in a zero config state so you can plug them in and start working on them straight away. There is no need for drivers or software to be installed.

Redundant network operation

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

Digital audio

The ALIF21XX series supports digital audio input via USB and the digital video connector.



Product In Brief

The ADDERLink INFINITY 2124T is a high performance IP KVM (Keyboard, Video and Mouse) extender that forms part of the ADDERLink INFINITY matrix solution. This enables the relocation of critical computing hardware into a secure and temperature controlled environment away from the user work station; whilst maintaining a pixel-perfect desktop experience.

- HDMI® connectivity
- 2 x SFP ports for maximum flexibility. Can be used with either CATx or fiber modules, allowing distances of up to 20km
- Video resolutions up to 1x 2560x1600 @60Hz or 2x 1920x1200 @60Hz
- USB mass storage devices supported plus keyboard, mouse, tablet and touch
- Plug and play
- Redundant network operation

Technical Specifications

Operating Systems and Compatibility

- All known operating systems
- Does not support HDCP or CEC control

Video resolutions

- The system supports up to 1x 2560x1600 @60Hz or 2x 1920x1200 @60Hz

Computer connections

- 1 x USB B 2.0 (True Emulation, High Speed)
- 1 x USB A 2.0 (True Emulation) (Auxiliary connection)
- 2 x HDMI®

Audio

- Audio in Port: 1 x USB
- Audio Type: Analog/Digital
- Channels: 2
- Audio Direction: Bi-directional
- Audio Additional Information: Analog audio and audio via video connector is uni-directional
- Size (bit): 16
- Speed (kHz): 48

Link Ports

2 x SFP

Serial Comms

- 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

Network Support

- Bandwidth: 1GbE

Physical design

- 1U compact case, robust metal construction
- Dimensions: 136mm/5.4"(H) x 39mm/1.5(W) x 150mm/5.9"(D)
- Weight: 0.8kg/1.7lbs

Approvals

- CE, cULus - E476334, FCC, ICES, UKCA

Standards

- ANSI 63.4, EN/IEC 62368-1, EN55032 / CISPR 32, EN55035/CISPR 35, EN63000, FCC pt15B, ICES003

Other

- Cal Prop 65, EU REACH, UK REACH

Power

- Power type: 1 x 12V 3-pin Kycon
- Maximum power (Watts): 18
- Typical power (Watts): 7

Environmental

- Operating temperature: 0 - 40°C/32 to 104°F
- Storage temperature: 0 to 40°C/32 to 104°F
- Storage and operating relative humidity: 10-90% (non-condensing)

Mean Time Between Failure

- Mean Time Between Failure (MTBF) @ 55degC: 461,000 h
- Temperature Regulation: Fanless



ADDERLink INFINITY 2124T - Front



ADDERLink INFINITY 2124T - Rear

Ordering Information

ALIF2124T-XX: ALIF2124 Transmitter

(XX: Mains Lead Country Code)

UK = United Kingdom

US = United States

EURO = Europe

AUS = Australia

JP = Japan

CN = China)

What's in the Box?

1x ALIF2124 Transmitter

1x PSU-IEC-12VDC-1.5A: Mains power supply

1x IEC PSU cable of country code

2 x VSCD15: 2m/6.5ft HDMI cable

1x VSC24: 2m/6.5ft USB cable

1x VSC24: 2m/6.5ft USB cable

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

Accessories (Sold Separately)

RMK17: 3 units in 1U

SFP-MM-LC: 1GbE Multimode SFP fiber modules with LC connectors

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

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

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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ADDER®
THE IP KVM PEOPLE

DATA SHEET

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