



AdderLink
INFINITY



▶ ADDERLink™ INFINITY Dual 2020

Dual-head, single link digital video and USB2.0 over a single fiber

Features

Perfect digital video, real time control

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

Single CATx cable or fiber with immunity from interference

Using standard IP technology allows a choice of single structured cable (CATx) or fiber connection achieving reliable links without interference. The ADDERLink INFINITY Dual 2020 also offers the option of up to 10km distances with fiber.

Unlimited extension distances

Extension distance is not limited to a single 100m cable length - it can be extended further, by adding a 1GbE network device to achieve an additional 100m. The units are fitted with SFP cages to accept fiber optic transceivers which enable much greater extension distances.

Support for MacPro (Dithered Video)

Some graphics cards use a technique called dithering to give the appearance of a deeper color depth than is actually the case. Dithering can significantly increase the normal video data rates. The ADDERLink INFINITY 2020T has a feature called Magic Eye which supports dithering without allowing it to degrade overall link performance.

USB 2.0 with class control

Enables connection of USB devices such as mice and keyboards, graphics tablets,

jog shuttles, joysticks and 3D explorers, alongside mass storage devices.

For applications where security is of high importance, the system has the ability to 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.

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 extender 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 are able to detect whether the network is in operation and can automatically change to its second network port if it detects a failure.

ADDERLink INFINITY Matrix

With the addition of the ADDERLink INFINITY Management System (AIM), multiple point-to-point extenders can be turned into a truly scalable digital KVM matrix system, that allows any workstation to link with any computer connected to the network. See the ADDERLink INFINITY Matrix data sheet for details.

Product In Brief

ADDERLink INFINITY (ALIF) Dual 2020 is a high performance IP KVM (Keyboard, Video and Mouse) extender that forms part of the ALIF 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.

- Plug and play
- 100m extension distance on single CATx; unlimited using standard IP network
- 500m to 10km over a single length of fiber
- 1920 x 1200@60Hz maximum resolution
- USB mass storage supported plus keyboard, mouse, tablet and touch
- Support for MacPro
- Redundant network operation



Technical Specifications

Hardware compatibility

All computers with DVI-D, USB, audio, RS232 - requirement dependent.

DVI-D - Digital Visual Interface (digital only)

The system supports two Single Link DVI-D resolutions to a maximum of 1920 x 1200 @ 60Hz.

USB 2.0 with class control

Supports USB2.0 devices (low, full and high speed). Security feature allows the blocking of non HID devices.

Isochronous devices are not supported (e.g. USB audio or video devices).

Digital stereo audio

The system transfers analog stereo audio (Line In/Line Out) via digital signaling between any transmitter/receiver pair. Additionally, the audio output of any transmitter can be multicast to many receivers.

RS232

RS232 can be passed between the units to a maximum baud rate of 115,200. RS232 is a point to point connection technology and cannot be multicast.

Software compatibility

All known operating systems.

Computer connections transmitter (TX)

2 x DVI-D, audio 3.5mm in, audio 3.5mm out, USB type B, RS232 9-pin D-type 1 x 8p8c and 1 x SFP for ADDERLink INFINITY network connections.

Peripheral connections receiver (RX)

2 x DVI-D, audio 3.5mm in, audio 3.5mm out, 4 x USB type A, RS232 9-pin D-type 1 x 8p8c and 1 x SFP for ADDERLink INFINITY network connections.

Physical design

1U compact case, robust metal construction. 198mm/7.92" (w), 44mm/1.76" (h), 150mm/6.0" (d), 1.1kg/2.7lbs.

Power

2.5mm DC jack (power adapter included), 100-240VAC 50/60Hz, 0.8A, input to power adapter. 5VDC 20W output from power adapter.

Operating temperature

0 to 40°C / 32 to 104°F.

Approvals

CE, FCC.

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 the China, Germany, Japan, the Netherlands, Singapore, Spain, Sweden, United Kingdom and United States.

To find out more, visit:
adder.com

Ordering Information

ALIF2020P-XX - INFINITY 2020 pair including Tx and Rx unit
ALIF2020T-XX - INFINITY 2020 TX (transmitter unit only)
ALIF2020R-XX - INFINITY 2020 RX (receiver unit only)

XX= Mains Lead Country Code:
UK = United Kingdom
US = United States
EURO = Europe
AUS - Australia
JPN= Japan

