

ALIF1002

Main Features

- Plug and play,
- 100m extension distance on single CATx
- Unlimited extension using standard IP network
- 500m to 10km over fiber,
- Single link or single head configuration
- 1920 x 1200@60Hz maximum resolution
- Redundant network operation

Typical Applications

- Aerospace
- Air traffic Control
- Air Traffic Management
- Audio and Visual
- Banking
- Broadcasting
- Commercial
- Defence
- Healthcare
- Industrial
- Point Of Sale



Product Description

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 you receive is the same as the digital video leaving the remote computer.

Single CATx cable or fiber with immunity from interference From the outset we designed AdderLink Infinity units around a highly robust signaling method. This vital core asset is what gives you the freedom to use the full variety of cable links that you typically find within an average structured cabling system. The result is that you can achieve reliable links, regardless of whether the cables are CAT5e, CAT6 or CAT7. The AdderLink Infinity also offers the option of up to 10km distances with fiber.

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. The units are also 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. As a result, dithering can significantly increase the normal video data rates. ALIF1002T 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 from mice and keyboards through to 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 the 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 AdderLink Infinity management system (A.I.M.) 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. See the Adderlink Infinity Matrix data sheet for details.



Technical Specifications

SKU	ALIF1002
Weight	1.1000
Manufacturer	Adder Technology
Country of Manufacture	United Kingdom
KVM Type	KVM Over IP, KVM Extender, AV Extender, USB Extender
No. Of Ports (Computers / Hosts)	2
Hardware Compatibility	All computers with DVI-D, USB, Audio, RS232 - requirement dependent.
Software Compatibility	Operates with all known software and operating systems including Windows (all), DOS, Linux, Unix, BSD, all Sun OS, all Mac OS, NetWare etc.
IP Rating	No
Interface Options	DVI, RJ45, RS232, USB
Case Material	Robust Metal Case
Mounting Options	Desktop, Rackmount
Computer Connections transmitter	1 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	1 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.
DVI-D Digital Visual Interface	The system supports a Single Link DVI-D resolution to a maximum of 1920 x 1200 @ 60Hz.
Digital Stereo Audio	The system transfers analog stereo audio (Line In/Line Out) via digital signalling 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.
Physical Design	1U compact case, robust metal construction
Power	2.5mm DC jack (power adapter included), 100-240VAC 50/60Hz, 0.8A, input to power adapter. 5VDC 20W output from power adapter.
Temperature Range	OPERATING: 0C to +40C
Certifications	CE, FCC.
Dimensions	198mm/7.92" (w), 44mm/1.76" (h), 150mm/6.0" (d),
Warranty	1 Year Limited Warranty

Model Number(s)

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