

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

The ADDERLink® INFINITY 1104 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.

ADDERLink® INFINITY 1104T (HDMI)

Matrix

Features



Perfect Digital Video, Real-Time Control

Using a spatially-lossless encoding system, with 1:1 pixel mapping, the ADDERLink INFINITY 1104 (ALIF1104) 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, 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 ALIF1100 model 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 supports two 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 perceptive image quality. Some Mac computers use this technique.

Video Information (1 Screen)		
Maximum Resolution (1 Screen)	2560 x1600	
Frame Rate (1 Screen)	60	
Color Depth (1 Screen)	8 bpc	
Computer Connections		
USB B	1x 2.0, True Emulation, High Speed	
USB A	1x 2.0, True Emulation	
HDMI®	1x	
Link Ports		
8p8c (RJ45)	1x	
SFP	1x	
Serial Ports		
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	2x	
Audio Direction	Bi-directional	
Audio Additional Information	Analog audio and audio via digital video connector	
	is uni-directional. USB audio is bi-directional	
Size (bit)	16	
Speed (kHz)	48	
Audio In Port	1x 3.5mm jack	
Network Support		
Bandwidth	1GbE	
10/100 Support	No	
Environmental		
Operating Temperature Range °C / °F	0 to 40 °C / 32 to 104 °F	
Storage Temperature °C / °F Range	0 to 40 °C / 32 to 104 °F	
Operating Humidity (%)	10% - 90% (non-condensing)	
Storage Humidity (%)	10% - 90% (non-condensing)	

MTBF Standard Telcordia SR333	2 Issue 4 March 2016 Calculated @
55C	
Temperature Regulation Fanless	
Power Source	
12V 3-pin 1x	
Input Power Supply External Power	Supply Unit (see manual)
Power Consumption	
Maximum Power (Watts) 18	
Typical Power (Watts) 7	
Physical Design	
Construction Material Robust metal co	onstruction
U size 1	
Width (mm) / (in.) 136 / 5.4	
Height (mm) / (in.) 39 / 1.5	
Depth (mm) / (in.) 150 / 5.9	
Weight (kg) / (lb) 0.8 / 1.8	
Compatibility	
OS Compatibility All known oper	ating systems
System Requirements Does not support	ort HDCP or CEC control
Approvals and Standards	
Approvals CE, cULus - E47	6334, FCC, ICES, RCM, UKCA
Standards ANSI 63.4, EN/II	EC 62368-1, EN55032 /CISPR 32,
EN55035/CISPF	R 35, EN61000-3-2, EN61000-3-3,
FN(2000 FCC	5+15B ICES003
EN63000, FCC μ	7(13b, ICL3003



What's in the Box?

1x ALIF1104 Transmitter

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

1x IEC PSU cable of country code

1x VSCD15: 2m/6.5ft HDMI cable

1x VSC24: 2m/6.5ft USB cable

1x VSC22: 2m/6.5ft Audio cable

Ordering Information

ALIF1104T-XX ALIF1104 Transmitter

Related Accessories (Sold Separately)

ADDER® SFP-CATX-RJ45

ADDER® SFP-MM-LC

ADDER® SFP-SM-LC

ADDER® VSC48 Cable

ADDER® VSCD12 HDMI® Cable

ADDER® Rackmount Kit RMK17-SH

Adder and the Adder logo are trademarks of Adder Technology Ltd, Cambridge, UK. All other trademarks are the property of their respective owner and may be registered in the United States Patent and Trademark Office and in other countries. Information contained in this data sheet is up-to-date and correct as at the date of issue. As Adder Technology cannot control or anticipate the conditions under which this product may be used, each user should review the information in the specific context of planned use. Images are for illustrative purposes only. Adder reserves the right to make changes to this specification without notice.

Copyright 2025 | Adder Technology Ltd.