ADDERLink® INFINITY 1104T (HDMI)

Matrix

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.

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)
Altitude m/ft	2,000 / 6562

Mean Time Between Failure (MTBF)	300,000 h
MTBF Standard	Telcordia SR332 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 construction
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 operating systems
System Requirements	Does not support HDCP or CEC control
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

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

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