





High performance ZeroU™ IP KVM dongle for extension or matrix of video, audio and USB over a single cable.

ADDERLink® INFINITY 102T (ALIF102T) is an IP KVM extender delivering video, audio and USB over a single cable in a ZeroU form factor. Part of the ADDERLink INFINITY range, the ALIF102T enables the use of standard IT infrastructure to extend computers away from the user environment.

ADDERLink® INFINITY 102T HDMI

ZeroU™ Form Factor

The ADDERLink INFINITY 102T (ALIF102T) takes ZeroU of rack space in the server room allowing for ultimate flexibility and ease of installation.

Perfect Digital Video, Real-Time Control

Using a spatially lossless encoding system, with 1:1 pixel mapping, the ALIF102T 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.

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.

Support for Dithered Video

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Flexible and Scalable Extender or Switch

Each ALIF102T model can be configured as part of 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.





Digital Audio

The system can deliver USB stereo audio (bi-directional) or embedded video standard stereo audio (uni-directional).

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.

USB Powered

Using under 3 Watts, the device can be powered from USB. This means there is no need to provision for an external PSU. Options for powering from an external PSU or redundant PSU are available.

Plug and Play

ADDERLink INFINITY devices are delivered in a zero configuration 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.

Video Information (1 Screen)	
Maximum Resolution (1 Screen)	2560 x 1600
Frame Rate (1 Screen)	60
Color Depth (1 Screen)	8 bpc

Computer Connections	
USB A	2x 2.0, True Emulation,Full Speed,Low Speed,High Speed
HDMI®	1x

Link Ports	
8p8c (RJ45)	1x

Audio Connections	
Audio Type	Digital
Channels	2x
Audio Direction	Bi-directional
Audio Additional Information	HDMI Audio 2 channel linear PCM
Size (bit)	16
Speed (kHz)	48
Audio In Port	1x USB

Cable Requirements	
CAT5e and above	100m / 328ft

Network Support	
Bandwidth	1GbE
10/100 Support	No

Environmental	
Operating Temperature Range °C / °F	0 to 50 °C / 32 to 122 °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)	1,200,000 h
MTBF Standard	Telcordia SR332 Issue 4 March 2016 Calculated @ 55C

Power Source	
USB powered	2x

5V	1x
Power Additional Information	USB power: 2x USB2.0 (2x 500mA @5V) 5W• External power: 5VDC, 1A, (LPS)

Power Consumption	
Maximum Power (Watts)	5
Typical Power (Watts)	3

Physical Design	
Construction Material	ABS and aluminium construction
U size	0
Width (mm) / (in.)	55 / 2.2
Height (mm) / (in.)	25 / 1
Depth (mm) / (in.)	110 / 4.3
Flying Lead Length (mm)	300
Weight (kg) / (lb)	0.2 / 0.4

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, EN55032 /CISPR 32, EN55035/CISPR 35, EN61000-3-2, EN61000-3-3, EN63000, FCC pt15B
Other	Cal Prop 65, China ROHS, EU REACH, UK REACH

Packing Box	
Length (mm) / (in.)	292 / 11.5
Width (mm) / (in.)	245 / 9.6
Depth (mm) / (in.)	55 / 2.2
Weight (kg) / (lb)	0.5 / 1.1

What's in the Box?

1x ALIF102T unit

1x Quick start guide

Ordering Information

ALIF102T-HM	ALIF102T- HDMI Transmitter

Related Accessories (Sold Separately)

ADDER® Power Supply Unit 5volt DC 2.5A

ADDER® PSU RED PRO 12V to 5V DC converter

1GbE Power over Ethernet Splitter 12W

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