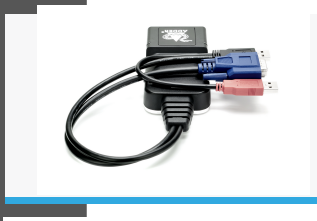


High performance ZeroU™ IP KVM dongle for extension or matrix of video, audio and USB over a single cable.

ADDERLink® INFINITY 100T VGA (ALIF100T) is a high performance ZeroU™ IP KVM extender with matrix capability that enables the use of standard IT infrastructure to extend computers away from the user environment.

ADDERLink® INFINITY 100T VGA

ZeroU™ Form Factor

The ALIF100T 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 ALIF100T 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 Powered

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 also available.

USB 2.0 with Class Control

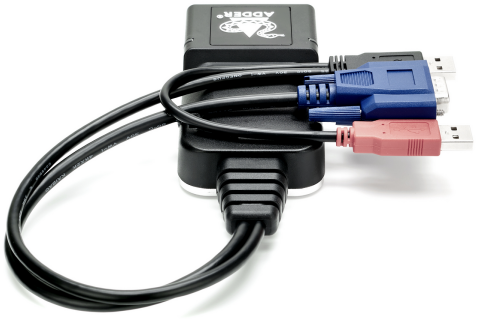
Supports USB devices including graphics tablets, jog shuttles, joysticks and 3D explorers. For secure applications, the system can disable the use of non-HID devices, meaning there is no need to physically block USB ports to prevent the use of different types of device.

Support for Dithered Video

Allows analog or noisy video to pass through the system, along with computers, that dither the video to enhance the perceptive image quality. Some Mac computers use this technique.

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.

USB Audio

The system delivers USB stereo audio (line in, line out) digitally across the network.

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.

Low Power Consumption

At under three watts of power in typical usage, the ALIF100T radically reduces the requirements for power supply capacity and air-conditioning in most installations.

Video Information (1 Screen)	
Maximum Resolution (1 Screen)	1920 x 1200
Frame Rate (1 Screen)	60
Color Depth (1 Screen)	8 bpc

Computer Connections	
USB A	2x 1.1, True Emulation,Full Speed,Low Speed
VGA	1x

Link Ports	
8p8c (RJ45)	1x

Audio Connections	
Audio Type	Digital
Channels	2x
Audio Direction	Bi-directional
Size (bit)	16
Speed (kHz)	48
Audio In Port	1x USB

Cable Requirements	
CAT5e and above	100m / 328ft
CAT5e	100m / 328ft
CAT6 (SFTP)	100m / 328ft
CAT6a	100m / 328ft
CAT7	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	-10 to 60 °C / 14 to 140 °F
Operating Humidity (%)	10% - 90% (non-condensing)
Storage Humidity (%)	10% - 90% (non-condensing)
Altitude m/ft	2,000 / 6562
Mean Time Between Failure (MTBF)	2,000,000 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

Approvals and Standards	
Approvals	CE, cULus - E476334, FCC, ICES, UKCA
Standards	ANSI 63.4, EN/IEC 62368-1, EN55032 /CISPR 32, EN55035/CISPR 35, EN63000, FCC pt15B, ICES003
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 ALIF100T unit
1x Quick start guide

Ordering Information	
ALIF100T-VGA	ALIF100T- VGA 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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