A dual-head, USB2.0 IP KVM extender delivering unlimited access to virtual and physical machines.

A KVM receiver which brings virtual machine (VM) access to the ADDERLink® INFINITY (ALIF) range, delivering real-time access to unlimited physical KVM data and VMs from a single human-machine interface (HMI). Seamlessly and securely switch between physical and virtual machines running on servers using either RDP, VNC, HTML5 , Horizon (Blast and PCoIP) or SSH protocols.

ADDERLink® INFINITY 3000R

Dual-Head Digital Video, Audio, and USB2.0 over 1GbE IP Network

The ALIF3000 can deliver one 2560x1600 or two 1920x1200 video resolutions from the KVM network and can also run to UHD resolutions (3840x2160) for VDI inputs.

Perfect Digital Video, Real-Time Control

Using a spatially-lossless encoding system, with 1:1 pixel mapping, the ALIF3000 provides pixel-perfect and color accurate video with no artifacts when received from ALIF transmitters.

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.

Unlimited Access to Physical and Virtual Machines

Users can seamlessly take control of unlimited sources in both a virtualized and physical environment, from a single workstation using standard VDI protocols of RDP, VNC, HTML5, Horizon (Blast and PCoIP) or SSH protocols.

Enhanced Network Flexibility

As well as the 2x 1GbE SFP ports for the normal redundant operation teaming provided by the ALIF range, a third 1GbE CATX network port is provided for VM access only where networks need to be kept separate. VM resources can be accessed via the KVM ports adding extra flexibility.

Digital KVM Matrix

With the addition of ADDERLink INFINITY management system (AIM) 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.

Full Backwards Compatibility

The ALIF3000 can be added to an existing ADDERLink INFINITY matrix to deliver real-time KVM and virtual machine access - with the security, reliability and flexibility benefits of traditional IP KVM solutions.

Plug and Play

The ALIF range is delivered in a zero config state so it works as soon as it is connected, without the need for drivers or software.

Performance

Built on Intel®'s successful X-86 architecture, the ALIF3000 is a robust and resilient solution designed for use in the most challenging scenarios.

KVM Security for VM Environments

The ALIF3000 is a closed and hardened KVM system with virtual machine access. Unauthorized software cannot be loaded onto the units without administrator approval.

Adder's USB True Emulation

USB2.0 enables connection to any USB human interface device from mice and keyboards through to graphics tablets, jog shuttles, joysticks and 3D explorers.

Bi-Directional Audio

Supports bi-directional 2 channel audio , line out, headphone and microphone socket. Digital O/P available via video connectors.

Video Information (1 Screen)	
Maximum Resolution (1 Screen)	2560x1600
Frame Rate (1 Screen)	60
Color Depth (1 Screen)	8 bpc

Video Information (2 Screen)	
Maximum Resolution (2 Screens)	1920x1200
Frame Rate (2 Screens)	60
Color Depth (2 Screen)	8 bpc

Video Additional Information	
Video Additional Information	Supports 1x 2560x1600 up to a maximum refresh rate of 60Hz. Can decode all streams from ADDERLink INFINITY transmitter devices: ALIF100T ALIF1002T, ALIF2002T, ALIF2020T to a maximum of one 2560 x 1600 or two 1920 x 1200 screens. The ALIF3000R will only decode 1x 2560x1600 or 2x 1920x1200 from an ALIF4021T. Please note the ALIF4021T must be bandwidth limited to 1GbE per link.

Console Connections	
USB A	6x 2.0, True Emulation
Full Size DisplayPort	2x

Link Ports	
8p8c (RJ45)	1x
SFP	2x

Audio Connections	
Audio Type	Analog
Channels	2x
Audio Direction	Bi-directional
Audio Additional Information	The "analog" audio is routed also to the digital video connectors as digital audio.
Size (bit)	16
Speed (kHz)	48
Audio In Port	1x 3.5mm jack
Audio Out Port	2x 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)
Altitude m/ft	2,000 / 6562
Mean Time Between Failure (MTBF)	80,000 h
MTBF Standard	Telcordia SR332 Issue 4 March 2016 Calculated @ 55C
Temperature Regulation	Built-in Fan

Power Source	
12V 3-pin	1x

Power Consumption	
Maximum Power (Watts)	60
Typical Power (Watts)	20

Physical Design	
Construction Material	Aluminium and steel construction
U size	1
Width (mm) / (in.)	215 / 8.5
Height (mm) / (in.)	40 / 1.6
Depth (mm) / (in.)	210 / 8.3
Weight (kg) / (lb)	1.8 / 4

Compatibility	
OS Compatibility	All known operating systems

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

Packing Box

Length (mm) / (in.)	285 / 11.2
Width (mm) / (in.)	245 / 9.6
Depth (mm) / (in.)	145 / 5.7
Weight (kg) / (lb)	2.5 / 5.5

What's in the Box?
1x ALIF3000 Receiver
1x PSU-IEC-12VDC-5A: Mains power supply unit
1x IEC PSU cable of country code
1x SFP-CATX-RJ45: 1GbE SFP for CATX

Ordering Information	
ALIF3000R-XX	ALIF3000 Receiver (RX)

Related Accessories (Sold Separately)
ADDER® SFP-MM-LC
ADDER® SFP-SM-LC
ADDER® SFP-CATX-RJ45
Blanking plate for RMK12
ADDER® VSC48 Cable
ADDER® Rackmount Kit RMK12-SH