ADDERLink™ INFINITY 3000 Series

Access Your Virtualized World

adder.com/VirtualizedWorld

Access Your Virtualized World

With the introduction of the **ADDERLink™ INFINITY 3000 (ALIF3000)**, IT administrators can give users real-time access to unlimited virtual and physical machines, directly from their own individual user workstation.

The ALIF3000 is ideally suited to meet the demand for instant switching between unlimited physical and virtual machines, driven by the rise in hybrid IT environments. Using standard VDI protocols, the ALIF3000 delivers real-time access to legacy machines and virtualized applications from a single human-machine interface (HMI) - improving flexibility, dekstop ergonomics and efficiency.

The ALIF3000 delivers KVM and VM access without requiring additional hardware or compromise on KVM functionality. By incorporating VDI protocols into the receiver, the ALIF3000 allows all operators to access all machines in a more efficient way. Instead of adding a new transmitter every time a user needs access to a new virtual session, an administrator can easily configure the management system to enable permissions.

The ALIF3000 has been designed to seamlessly and securely integrate VM access into an existing ADDERLink INFINITY network without disruption, downtime or costly replacement fees. By utilizing the trusted ADDERLink INFINITY Manager (AIM), IT administrators can clearly define user access rights to ensure that target PC's and virtual sessions can only be accessed by permitted users - providing peace of mind and ensuring security is optimized.

The Rise of Virtual Machine Access

Organizations are increasingly embracing a hybrid approach to their IT deployment. According to Forrester (2019), 88% of businesses are now combining physical and virtual IT environments.[1]

In typical KVM environments, this growth is being driven by popular software providers who are now delivering their platforms in both on-premise and virtualized formats.

[1] Mainframe In The Age Of Cloud, AI, and Blockchain report (Forrester, 2019)
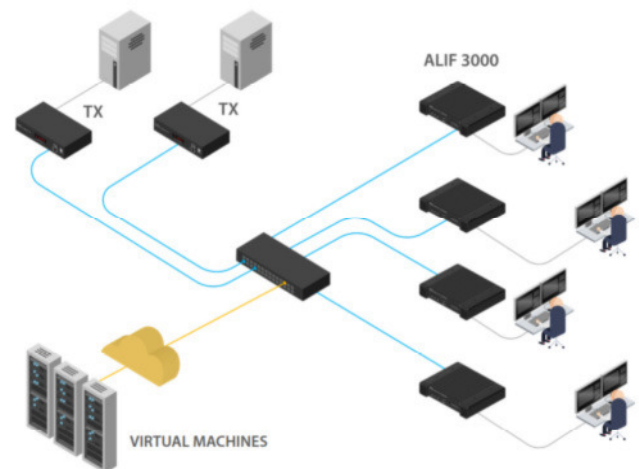
KVM and Virtual Machine Access

As organizations continue to adopt hybrid IT strategies, administrators are looking for ways to give users real-time access to both physical and virtual machines from a single HMI.
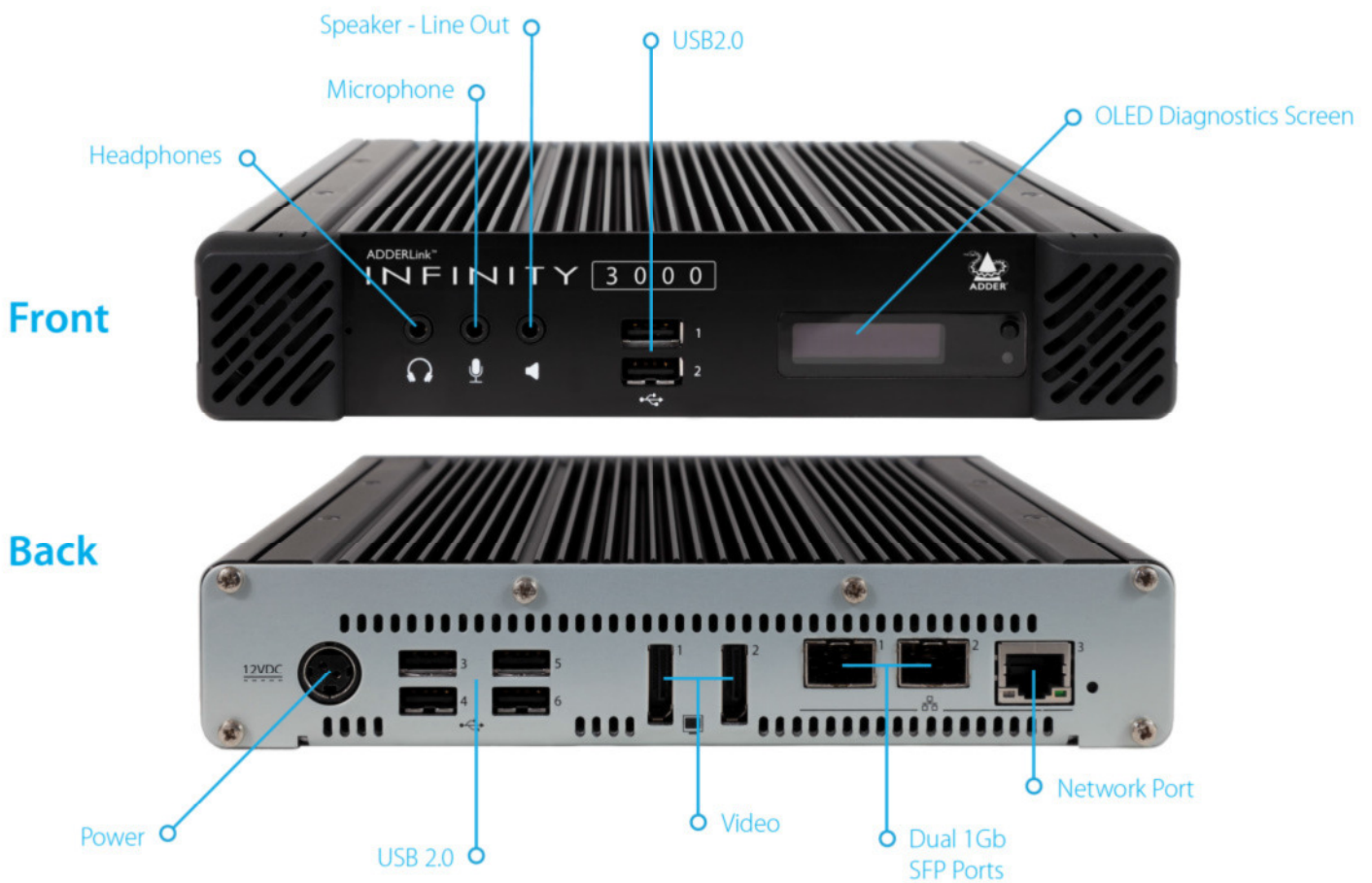
Typically, companies have used KVM to control their physical machines and a thin client to access their virtualized servers but this requires additional hardware which can be costly and detrimental to user efficiency and workstation ergonomics.

The ALIF3000 is ideal for IT administrators as they look to streamline their hardware deployment, improve HMI ergonomics and provide their users with instant switching between physical and virtual machines.

Product Overview

Receiver (RX)

Headphones

Microphone

Speaker - Line Out

USB2.0

OLED Diagnostics Screen

Front

ADDERLink™

INFINITY 3 0 0 0

Back

12VDC

Power

USB 2.0

Video

Dual 1Gb
SFP Ports

Network Port

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.

Security

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

Choice and 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.

The ALIF3000 Combines:

- Dual-head up to 2560x1600
- Unlimited access to virtual and physical machines
- Pixel-perfect image quality over 1Gb ethernet links
- USB 2.0 with fast switching
- Backwards compatibility with existing ADDERLink INFINITY range

ADDERLink INFINITY 3000

Datasheet

Product In Brief

- Dual-head, video, audio and USB over a single fiber connection
- Unlimited access to physical and virtual machines
- Pixel-perfect, color accuracy
- Bi-directional analog audio
- Adder's USB True Emulation for fast switching
- Backwards compatibility
- Plug and play

Specification

USB
4 Ports of USB2.0 with USB True Emulation to support keyboard, mouse and touch

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

Audio
Analog line in/out 2 channel 16bit 48KHz 1V RMS in/1V RMS out

Ethernet
1GbE (10/100/1000 support)

Packing Box
Dimensions: (L) 285mm/11.2-inch (W) 245mm/9.6inch (D) 145mm/5.7inch
Weight: RX -2.5kg/5.5lb

Approvals/Compliance
CE and FCC: See the compliance web page for the full list

Cable types recommendations
See manual

Cable length rules
See manual

Technical Specifications

Operating/storage conditions
Operating temperature: 0 to 40ºC/32 to 104ºF
Storage temperature: 0 to 60ºC/32 to 140 ºF
Storage and operating relative humidity: 10-90% non-condensing
Altitude: < 2000m

Power
External power: 12VDC, 5A
Typical power consumption: 20W
BTU: 68.24BTU/hr

Physical

Dimensions
(L)210mm/8.3" x (W)215mm/8.5" x (D)40mm/1.6"
Weight: 1.8kg /4 lbs

Materials
Aluminium and steel construction

Connectors

Remote Unit - Receiver (RX)
Desk: 2 x DisplayPort™, 5 x USB type A, 3 x 3.5mm audio jack sockets
Ethernet: 1 x 8p8c (RJ45), 2 x SFP+ cages
Power: 3 pin Kycon socket

ADDER®
THE IP KVM PEOPLE