



ADDERLink™ INFINITY Manager

IP KVM Matrix



A control suite which transforms ADDERLink™ INFINITY extenders into a digital matrix solution.

Features

Secure access and communications

Using TLS (transport layer security) and HTTPS, communications between ADDERLink™ INFINITY (ALIF) units and the ADDERLink INFINITY Manager (AIM), and between AIM and the outside world are all secure.

Redundant operation

For 24/7 reliability a second 'hot' AIM can be added to ensure constant uptime and with dual NIC interfaces on every ALIF unit, systems can be easily designed for maximum resilience.

User access rights management and audit trails

Administrators can manage access rights to each device on a user by user basis either manually through the web browser or automatically using Active Directory. Reports showing the history of devices, user logins and device connections can be viewed and exported to a CSV file or via SYSLOG.

Easy centralized management

Accessed via a web browser, the dashboard gives a real-time overview of system connections and users. Tabs enable you to navigate between settings and devices or user sub-menus.

Control Channel and Presets connections

AIM can be used to make connections between an individual pair of transmitter and receiver devices centrally from within the management system. Using Presets, a list of pre-defined connections, multiscreen, video wall or signage setups can be 'pushed' with a single click.

Internationalization

The user desks can select different keyboard configurations to suit their requirements and as a global setting select the language for the OSD from a choice of over 14 languages.

On-screen display at each user station

Users login and choose channel connections from an intuitive OSD similar to that of a Digital TV. Users can also use Presets to change channels for multiple screens across multiple receivers.

Remote OSD

The remote OSD allows the user to 'push' video and control to another station, to a video wall or projector.

Favourites and hotkey switching

Each user can select their favourite channels within the OSD and allocate a hotkey for fast switching between channels.

Choice of connection modes

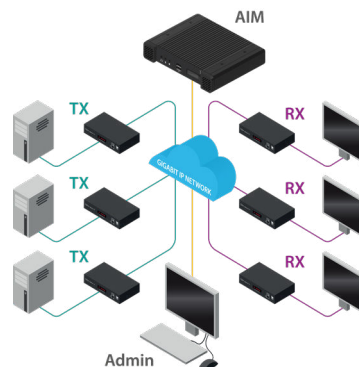
Administrators can choose to give users the ability to connect in four modes: View only, shared, private or exclusive. Each permitted mode is then made available within the OSD.

Fast video and USB switching

The switching time between computers is less than 1 second to provide a quality user experience.

Multicasting

Network multicasting allows the system to share video simultaneously from one transmitter to an unlimited number of receivers. Suitable for signage, monitoring and sharing of desktops.



Product in Brief

The ADDERLink™ INFINITY Manager (AIM) server is a control suite which transforms ADDERLink INFINITY (ALIF) extenders into a digital matrix solution. Using standard IP infrastructure it is possible to route any user station to any computer attached to the network without any compromises to video quality or control. It allows co-operative sharing of computers and multicasting of video to any destination.

- Intuitive, multi-lingual user interface
- Multiple switching methods
- Configurable user access rights
- Full audit trail
- Easy centralized management
- Open API for 3rd party control

USB sharing

USB sharing allows multiple users to connect to and control a single computer at the same time. Each transmitter can report 12 unique USB devices (identified by VID/PID codes) but will merge devices with the same ID to allow many more.

Channels

Considered as a virtual transmitter, a channel may combine video, audio and USB from different transmitters as a single source. Ideal where audio alerts or mixed video sources are required.

Open API for 3rd party control systems

Adder Technology publishes a simple API structure to allow easy integration with other 3rd Party control systems supplied by companies like AMX, Crestron, HRS or MediaLon at a HTTP level.

LDAP integration

To help ease setup, the system has an LDAP interface so users and passwords from other systems can easily be imported.

SNMP v3 get / walk

External machines can interrogate AIM to find out the status of the ALIF network and units. SNMP v3 security is implemented, supporting AES/DES transport with MD5/SHA authentication.

External NTP server support – NTPv4.2

Connect up to 3 NTP servers with authenticated connections using MD5 and Key ID as defined

in the NTP standards. All ALIF units in an AIM network now get time using authenticated NTP from AIM.

System backups

Backups of the database can be saved internally, externally or emailed automatically. Automatic updates can be scheduled on an hourly, daily or weekly basis.

Centralized firmware upgrades

As well as managing its own firmware upgrade, AIM manages the upgrade of each device on the network and can deploy firmware to hundreds of devices at the same time, meaning a system-wide upgrade takes only a few minutes.

Easy matrix setup

Using zero config. networking, AIM automatically obtains the MAC addresses of extender devices as they are attached to the network. The administrator allocates IP addresses, names and locations so that devices are easy to identify, configure and control.

Technical Specifications

Physical Design

Robust metal construction

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

Power supply

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

Accessories (Sold separately)

RMK12: Rack mount kit for 2 units in 1U

RMK12-BP: Half width blanking plate for RMK12

SFP-MM-LC: 1GbE Multimode SFP fiber modules with LC connectors

SFP-SM-LC: 1GbE Single mode SFP fiber modules with LC connectors

SFP-CATX-RJ45: 1GbE SFP for CATX cable

Operating temperature

- 0 to 40°C/32 to 104°F

Storage temperature

- Storage temperature: 0 to 60°C/32 to 140°F
- Altitude: < 2000m

Humidity

- 10-90% (non-condensing)

Mean Time Between Failure (MTBF)

- 77,500 hrs
- Telcordia SR332 Issue 4 March 2016
Calculated @55°C

Ethernet

- 1GbE with 10/100/1000 support via 2x SFP and 1x 8p8c

Approvals

- CE, FCC



ADDERLink INFINITY Manager - Front



ADDERLink INFINITY Manager - Back

Ordering Information

ASP-001-XX: ADDERLink INFINITY Manager licensed to 24 end points

Software Licence Upgrade

AIMLIC-48: AIM licensed to 48 end points

AIMLIC-96: AIM licensed to 96 end points

AIMLIC-192: AIM licensed to 192 end points

AIMLIC-288: AIM licensed to 288 end points

AIMLIC-UNL: AIM licensed to unlimited end points

About Adder

Adder is a leading developer and thought leader in connectivity solutions. Adder's advanced range of KVM switches, extenders and IP solutions enable the control of local, remote and global IT systems across the enterprise. The company distributes its products in more than 60 countries through a network of distributors, resellers and OEMs.

Adder has offices in China, Germany, Japan, the Netherlands, Singapore, Spain, France, Sweden, United Kingdom and United States.

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THE IP KVM PEOPLE

DATA SHEET