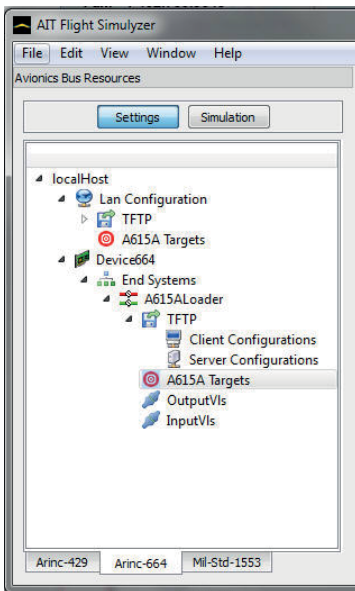




ARINC615A SOFTWARE TOOLS for Windows & Linux

A615A Data Load, A665 Media Set, and TFTP Operations



F-SIM-LDR

ARINC-615A Data Loader Development Kit

AIT's F-SIM-LDR, is an ARINC-615A Data Loader development kit that provides a package of software tools supporting ARINC-615A data load and Trivial File Transfer Protocol (TFTP) file transfer operations over both standard Ethernet LANs and ARINC-664/AFDX networks. Our Graphical User Interface (GUI) provides intuitive and easy to use control of data loader operations. Additionally, TFTP and ARINC-615A Application Programmer's Interfaces (APIs) are provided to support integration of the data load functions into custom applications.

KEY FEATURES

- ARINC 615A-1, 615A-2, and 615A-3 FIND, Information, Upload, and Download operations supported
- Create and verify ARINC 665-1, 665-2, and 665-3 Media Sets
- Intuitive, easy-to-use GUI
- TFTP C API supports client and server operations
- ARINC-615A C API supports high level data load operations
- Command line A615A data load and A665 media set operations
- Windows XP, Windows 7, and Linux supported
- Supports multiple, simultaneous load operations

AIT's F-SIM-LDR does not require a proprietary computing platform, for standard Ethernet LAN operations it can simply be installed on any Windows or Linux PC with a LAN interface. For A615A and TFTP operations over ARINC-664/AFDX, any desktop PC hosting AIT's ARINC-664 PMC, XMC, PCI, or PCI Express end system modules can be used.

F-SIM-LDR has been verified ARINC-615A compliant and is ideal for use loading A380, B787, and B747-B target LRUs. The GUI supports line maintenance and bench-top loader applications. The A615A API and command line utilities are ideal for automated production environments requiring repetitive operations.

Avionics Interface Technologies
3703 N. 200th Street
Omaha, NE 68022
Tel: +1 402.769.9644
Fax: +1 402.763.9645

aviftech.com/arinc615a
sales@aviftech.com

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**Instrumentation
Devices**

Instrumentation Devices Srl

Via Acquanera 29 - 22100 COMO (Italy)
ph +39 031 525 391- fax +39 031 507 984
info@instrumentation.it - www.instrumentation.it

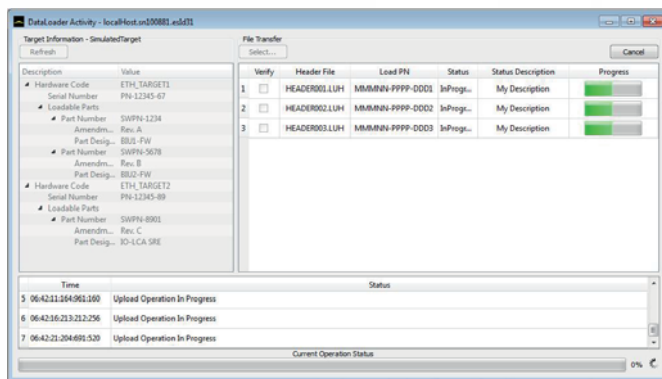


F-SIM-LDR

ARINC-615A Data Loader Development Kit

SIMPLE, INTUITIVE USER INTERFACE

The *F-Sim-Loader* GUI is integrated into AIT's *Flight Simulyzer* databus analyzer software tool. With the F-SIM-LDR GUI users can easily configure and execute A615A data loader operations within the same user interface used for ARINC-664/AFDX operations.



HIGH LEVEL PROGRAMMING INTERFACES

High level APIs are provided supporting TFTP and A615A data load operations. The A615A API provides simple functions allowing user applications to initiate all data load operations (FIND, Upload, Information, ...). The TFTP API provides simple functions supporting both TFTP client (File Put/Get) and server operations to be controlled by user applications.

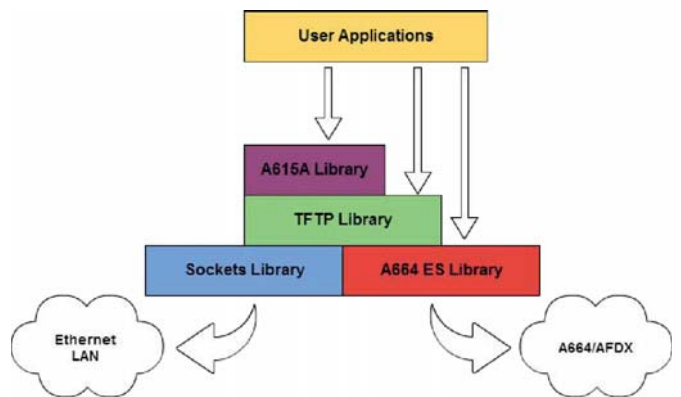
The APIs are provided with complete documentation and source code sample applications demonstrating use. Both the TFTP and A615A API can be used together with the AIT ARINC-664 ES API to supporting integrated applications for ARINC-664, TFTP, and ARINC-615A data loading.

SOFTWARE ONLY SOLUTION

For standard data load operations over the Ethernet LAN, the F-SIM-LDR provides a software only ARINC-615A solution. The software can be loaded onto any desktop PC or laptop running Windows or Linux to provide a complete data loader solution. All operations utilize the standard LAN interface of the host.

SCRIPT MULTIPLE OPERATIONS

All A615A data load and A665 media operations are also supported at the command line allowing multiple operations to be scripted for easy execution of repetitive operations.



ORDERING INFORMATION

F-SIM-LDR-Win
 F-SIM-LDR A615A Development Kit for Windows

F-SIM-LDR-Linux
 F-SIM-LDR A615A Development Kit for Linux
 (CentOS 6.x, Ubuntu 11.4/12.4)

Avionics Interface Technologies
 3703 N. 200th Street
 Omaha, NE 68022
 Tel: +1 402.769.9644
 Fax: +1 402.763.9645

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