



ARINC 615/615A PDL

AIT Tablet Based Portable Data Loader

The AIT ARINC 615, 615A, and 844 Portable Data Loader (AIT-PDL) is a rugged, portable flightline ready system that is designed to perform data loads to a variety of aircraft LRU's in the fleet. The AIT-PDL supports ARINC 615 & ARINC 615A as well as ARINC 884 load operations. The AIT-PDL accepts software parts files from CDROM/DVD, USB, and networked storage locations. Additionally, the PDL includes dedicated internal mass storage (32GB or 64GB). To ensure compatibility with existing ARINC 615 cable assemblies, the AIT-PDL includes an integrated ARINC 615 53-pin connector which also includes ARINC 615A (Ethernet) connectivity.



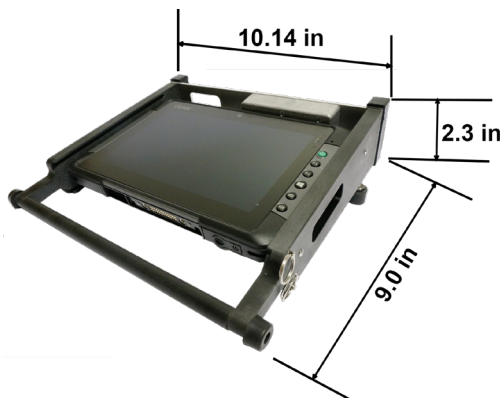
Key Features

- Supports 615-3/4 Data Loader operations using ARINC 429
- Supports 615A (-1, -2, & -3) Data Load operations over Ethernet & ARINC 664 networks
- Accepts loadable software parts from any attached USB device (USB Flash Drive, CD-ROM/DVD)
- Optional Network Loadable Software Distribution applications available (but NOT required!)
- 32 GB (or optional 64 GB upgrade) built-in mass storage dedicated to loadable software parts
- Verifies and Validates software parts prior to load operations
- Optional Network Interface Connectivity:

- 10/100/1000 base-T Ethernet LAN
- 4G LTE broadband
- Wireless 802.11ac

Note: Our flexible connectivity options allow you to populate the integrated MSD with or without a direct connection to your network

- Battery powered operation (no aircraft power required)
- MIL-STD-810G and IP65 certified for shock and vibration
- Intuitive & easy to use graphical user interface (web browser based)
- Simple single button load operations with concise status indication
- Audio and Visual indication of successful/unsuccessful load operations+



AIT-PDL Dimensions



AIT-PDL with ARINC Standard 53-pin Connector

MADE FOR FLIGHTLINE OPERATIONS

The AIT-PDL is designed for ease of use by the flightline maintenance engineer. The PDL features a simple user interface that provides visual and audio alerts when load operations are completed. The User Interface is intuitive and easy to use eliminating the need for time consuming software training. All Data Loading activity can be logged, and any error conditions are timestamped and logged for post analysis and troubleshooting.

The AIT-PDL includes an internal wrap self-test and also a complete loop-back self-test (with optional external loop-back cable assembly).

ORDERING INFORMATION

PN: PDL-615

Rugged, battery powered ARINC 615 Portable Data Loader with standard ARINC 615 53-pin connector. Supports ARINC 615-3/4 (and ARINC 844) operations over ARINC 429. Integrated 32GB dedicated loadable software storage capacity. Includes AC Power Adapter (for charging) and Li-Ion battery (7.4V, 4200mAH).

OPTIONS & UPGRADES

-615A

Adds support for ARINC 615A Load operations over 10/100 Base-T Ethernet (via the ARINC 615 53-pin connector).

-A664

Adds support for ARINC 615A Load operations over ARINC 664 avionics networks (10/100 Base-T Ethernet).

-4GLTE

Adds 4G LTE multi-carrier mobile broadband connectivity (data service provider plans NOT included).

-64GB

Upgrades the standard 36GB integrated mass storage to 64GB.

OPTIONAL ACCESSORIES

PDL-BATTERY

2nd PDL Battery (14.4V, 2100mAH). Used concurrently with integrated PDL battery to extend operational time Hot swappable

CBL-PDL-615

Standard 10-foot ARINC 615 cable for PDL (53-pin male) to aircraft connections (53-pin female).

CBL-PDL-615A

Adapts PDL 53-pin connector to standard RJ-45 socket. Supports ARINC 615A loads over standard Ethernet RJ-45 connections.

CBL-615-603

Standard 1 foot ARINC 615 to ARINC 603 adapter cable. Adapts

LRU end of CBL-PDL-615 to ARINC 603.

CBL-PDL-LOOPBACK

Loopback cable assembly (for 53-pin ARINC Connector). Allows full diagnostic built-in selftest.

PDL-CASE-1600

Rugged, watertight, crushproof, dust-proof storage & transport case for PDL, cables, and accessories. Dimensions (Outside): 24.25" X 19.43" X 8.68"

PDL-CASE-1520

Rugged, watertight, crushproof, dust-proof storage & transport case for PDL and accessories. Dimensions (Outside): 19.78" X 15.77" X 7.41"

Technical Data

615/615A Loader Interface	<ul style="list-style-type: none">• ARINC 615 53-pin (male) connector• ARINC 429, 3 Tx / 6Rx with DO-160G level 3 lightening & transient protection• 4 Open Drain Discretes with DO-160G level 3 lightening & transient protection• Ethernet 10/100 Base-T with DO-160G level 3 lightening & transient protection
Loadable Software Parts Storage	<ul style="list-style-type: none">• 32GB Dedicated Mass Storage Device (MSD) (up to 64GB with -64GB option)• External CD-ROM/DVD or External USB Flash (via USB 2.0 I/O)
Display	8.1" TFT LDC HD (1280X800) Sunlight readable display with multi touch
Dimensions & Weight	10.14 in X 9.0 in X 2.3 in 4.2 lbs (Approx. w/ 2nd battery)
Temperature & Humidity	<ul style="list-style-type: none">• Operating Temp. -21C to 50C• Storage Temp. -40C to 71C• 95% RH, non-condensing
I/O Interfaces	<ul style="list-style-type: none">• (1) USB 2.0 (Micro-B socket)• (1) Headphone out/Mic-in Combo• One DC Input (power & battery charging)
Communications Interfaces	<ul style="list-style-type: none">• 10/100/1000 base-T Ethernet• Wireless-AC 7625, 802.11ac• 4G LTE multi-carrier mobile (optional with -4GLTE)
Power	<ul style="list-style-type: none">• AC Adapter (65W, 100-240VAC, 50/60Hz)• Li-Ion battery (7.4V, 4200mAH)• Optional 2nd battery (14.4V, 2100mAh)

www.aviftech.com/PDL