Portable Data Loader
PDL with Mass Storage Device

Model No. 11615-20

Our Portable Data Loader (PDL) incorporates an internal Mass Storage Device (MSD) capable of storing and maintaining LRU software datasets for an entire aircraft fleet. The optional windows based Aero Data Management System (ADMS) software enables any personal computer to function as a Software Control Library for the purpose of hosting LRU loadable software dataset images and electronically distributing the images into the PDL MSD. Dataset integrity is verified after the file is transferred into the PDL and each time the dataset is selected to data load a target airplane device. The Mass Storage Device eliminates the distribution of disks to airplanes while significantly reducing the time to perform the data load tasks.
FEATURER

- Designed for operation in extended temperatures and harsh environments
- Capable of data loading ARINC 615-3 and 603 compatible devices
- ADMS ARINC 666 and 667 compliant Software Configuration Management tool provides controlled process for the automated distribution of airplane loadable software
- Integrity of loadable software is verified prior to attempting the data load.
- Recoups valuable cockpit and cabin space previously used to store software binders
- Data load progress and status messages provide clear feedback to operator
- Reduces mechanic workload by minimizing load times and eliminating disk changing when using PDL MSD
- Accepts any AC power 85–280 VAC (45–500 Hz) and DC power 14–32 VDC
- Power interruption protection
- 2 year warranty

ADMS is a Windows compatible program that provides a simple to use tool for the electronic distribution of aircraft software to Portable Data Loaders located at the flight line, hanger, repair shop, etc. instead of mailing media such as floppy diskettes.

ADMS maintains traceability of the transferred software images to each software source media set. The PDL is capable of reporting which software source media set is installed on its mass storage device and checks the integrity of the software set prior to the initiation of each data load.

SPECIFICATIONS

Architecture: PC104 Based
Data Storage: 2Gbyte
I/O: ARINC 429 High/Low Speed
       2 TX/4 RX
       6 Input Disretes
       RS232
Input Voltage: 115/230 VAC 50/60/400 Hz, 28 VDC
Cooling: Natural Convection
Enclosure: Rugged Aluminum Case with Cable and Disk Storage
Weight: 8 Pounds

ENVIRONMENTAL

Temperature
   Operating: -40° to +65° C
   Storage: -55° to +85° C

Altitude
   Operating: 0 to 10,000 ft
   Storage: 0 to 45,000 ft

Humidity: 95% Non-Condensing

Shock/Vibration: 3 Foot Drop on any Axis