

## Data Transfer Units Panel Mount or Internal Mount

### *For all types of fixed and rotary wing military aircraft*

- Two separate independent PCMCIA cards
- Simultaneous access to both PCMCIA cards
- Ethernet or 1553 Mux Bus interface
- Light weight
- High reliability – no moving parts
- Mil-Std-704A compatible-28 VDC powered.
- Low power consumption
- Fully qualified per Mil-Std-810F
- Optional NVG compatibility



PLR's Data Transfer Unit (DTU) provides a compact self-contained system that operates with solid state FLASH memory. Packaged in either a compact Panel mount unit or internally mounted, the small, lightweight, rugged construction provides a reliable data storage unit qualified to meet the most demanding environments. The unit has been tested to meet MIL-STD 810 and MIL-STD 461 requirements and complies with the requirements of RTCA DO-160.

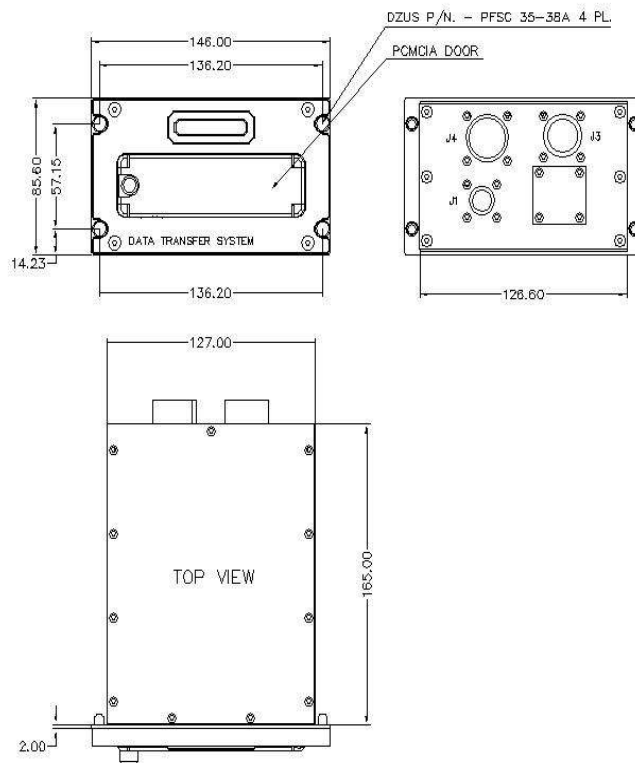
The DTU's FLASH memory cards provide a low power, light weight solution for applications requiring a reliable data transfer function, including the transfer of large amounts of data. The versatile DTU can be used as a stand alone data loader/recorder or as part of a more complex system. It provides automated pre-flight initialization data prepared on a ground based Mission Planning Station. It also provides in-flight recording of key mission parameters, followed by post-mission debriefing, using a ground based Debriefing Station.



The DTU interfaces to aircraft avionics via a MIL-STD-1553 Mux Bus interface or via an Ethernet 10/100 BaseT link. It can also operate simultaneously on both channels.

Its 2-slot construction can house 2 PCMCIA cards (Type I, II or III), that can operate as 2 separate disks. Read and Write operations can be addressed to either one, providing operational flexibility. Access to either, or simultaneously to both, slots is defined by the users Operational Program and as commanded by the Host Computer.

## Data Transfer Unit



## Basic Specification

- Interfaces: Mil-Std-1553 – Remote Terminal or Bus Monitor  
Ethernet 10 BaseT
- RS-422/485 Optional
- Storage: PCMCIA Type I,II or III, 2 slots
- Installation: Dzus mounted (MS25213) or Internal mount
- Power: 28 VDC, Mil-Std-704A, max 5 watt
- Weight: Less than 2 Kg.
- Environmental:
 

Temperature:	Operating: -40°C to +70°C
	Storage: -40°C to +85°C
Humidity:	95%
Vibration:	Functional: 7.6 grms 5-2000 Hz
	Endurance: 9.8 grms 5-2000 Hz
Shock:	Functional: 17 g, 40msec
Altitude:	50,000 ft
Salt Fog:	Mil-Std-810F, Method 509.4
Acoustic Noise:	35 db, 15 minutes
Acceleration:	5 g peak
- RFI: Compliant with Mil-Std 461