

## Airborne Instrumentation Multiplexer with Built-in Solid State Recorder



### Description

The MUX-3003(R)/3005R/3006 unit is designed to accept multiple data acquisition cards that support various interfaces and a solid state recorder module. The unit includes an Overhead (XOVH-300) processor card, and a Time Mezzanine card. Acquired input data is multiplexed and recorded on the built-in media cartridge for the MUX-3003R/3005R, or on external media in the case of the MUX-3003/3006. The unit accepts IRIG-B AC or DC time for purposes of supporting IRIG chapter 10 for recorded data time tagging. The removable cartridge supports the Standard IEEE 1394b high-speed communications format.

### Features

- Airborne Data Multiplexer / Recorder utilizing various low and high speed interfaces
- Various chassis sizes available:
  - MUX-3003 Accepts 3 I/O Cards
  - MUX-3003R Accepts 3 I/O Cards & Recorder
  - MUX-3005R Accepts 5 I/O Cards & Recorder
  - MUX-3006 Accepts 6 I/O Cards
- Various Plug-in Cards available:
  - 4 and 8 channel 20 Mbps PCM card
  - 4 and 8 channel MIL STD 1553 card
  - Dual Port 1.0625 Gbps Electrical Fibre Channel Card
  - 2 and 3 Channel Audio / Video card
  - 1 Channel 16PP194 and MIL STD 1553 channel card
  - 2 Channel Fire Wire IEEE-1394b card
  - 16 Channel ARINC card
  - Adaptable Real-Time Multiplexer card
- Built-in Solid State Recorder for MUX-3003R and MUX-3005R
  - Standard Memory Cartridge Capacity 8 GBytes to 128 Gbytes
  - Sustained Record rate of up to 20 Mbyte/sec
- Compatible with IRIG Chapter 10 format
- Accepts IRIG-B AC / DC Time or GPS Antenna
- Includes Windows 2000/XP software
- Ruggedized Airborne Enclosure

### Applications

- Flight Test Instrumentation System
- Vehicle Development

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### MUX-3003(R)/3005(R)/3006 Datasheet

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Specifications subject to change without notice.



Teletronics Technology Corporation  
15 Terry Drive, Newtown, PA 18940  
phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

**www.ttcdas.com**