

Miniature CAIS Data Acquisition and Encoding Unit



Applications

- Avionics Data Acquisition Unit
- Missile Applications
- Air Vehicle Test, Certification or Development
- Distributed Systems
- CAIS Applications

Features

- CAIS Compatible (Common Airborne Instrumentation System) Data Acquisition Unit with Integrated High Performance Signal Conditioning
- Flexible System Configuration
 - Stand Alone Version with PCM output per IRIG-106
 - CAIS Master/Remote Operation
 - Expansion to 60 Units in a System
- Programmable Operation
 - Up to 8 PCM Formats
 - Up to 128,000 Words each Format
 - Programmable Signal Conditioning
 - 417 KSPS Operation (up to 5 MBPS)
 - Over 2,000 Bit Rate Settings
 - 12 or 16 BPW Resolution
- System Audit and BIT Capability
- Plug-in Modularity & Expandability
 - Signal Conditioning
 - 1553 Monitor/RT/Bus Controller
 - Avionics Interfaces
- Full Support Software Package
 - Single-point System Programming
 - Standard Serial RS-232/422 Interface
 - Includes Windows XP/2000 Software
 - Integrated Ground Support Options

Description

The MCDAU-2000 is a miniature, CAIS-compatible Data Acquisition Unit (DAU) for interfacing with a variety of analog/digital sensors and sources. The system is reconfigurable to handle additional channel inputs, or to accommodate other types of data via plugin modules. The MCDAU-2000 supports operation as a stand-alone unit, a master controller unit, or a remote slave unit. The MCDAU-2000 unit is very small and rugged, making it suitable for installation in remote or inaccessible areas.

Revision 10/16/2009

MCDAU-2000 & Modules Datasheet

©2009 Teletronics Technology Corporation
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