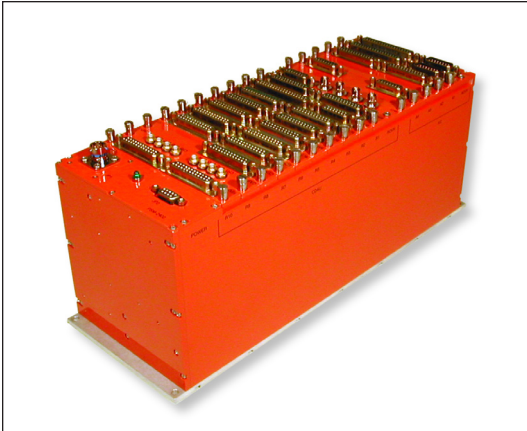


High Speed System Controller and Data Acquisition Unit



Applications

- Distributed Data Acquisition Systems
- Vehicle Design and Development

Features

- High Speed System Controller and Data Acquisition Unit (DAU)
- Develops High Speed composite serial PCM output stream at up to 20 Mbps
- Plug-in modularity (controller and DAU functions)
- Optional Controller Plug-in Cards
 - Quad CAIS Bus Interface (RCI-404)
 - Quad Enhanced Bus Interface (REI-404)
 - Quad Programmable Secondary PCM out (PSO-404)
 - Parallel and Octal DAC output (PAO-400)
 - 1553 Remote Terminal (BRT-553H)
 - 1553 Bus Controller (BCT-553H)
 - Quad PCM Input (PCI-404)
- Optional Data Acquisition Plug-in Cards
 - Uses all EDAU/CDAU plug-in signal conditioning cards
- Fully programmable operation
 - Standard serial RS-232/422 interface
 - Complete format programmability
 - Single point system programming
- Includes Windows 98/NT/2000/XP software
- Ruggedized Airborne Enclosure

Description

The CDAU-2020 is a high speed Airborne Instrumentation Controller with embedded DAU capability that operates at rates up to 20 Mbps. The unit operates as a data acquisition formatter/controller communicating and collecting data from distributed CAIS acquisition units. Composite data is available for recording, data archive or real-time analysis. Subsets of data are available to support telemetry and flight safety analysis and monitoring. The unit also contains a complete CAIS Data Acquisition Unit (based on the CDAU-2010) resulting in a highly efficient solution for controlling a distributed data acquisition system and acquiring a limited number of local acquisition channels.

Revision 06/12/2009

CDAU-2020 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