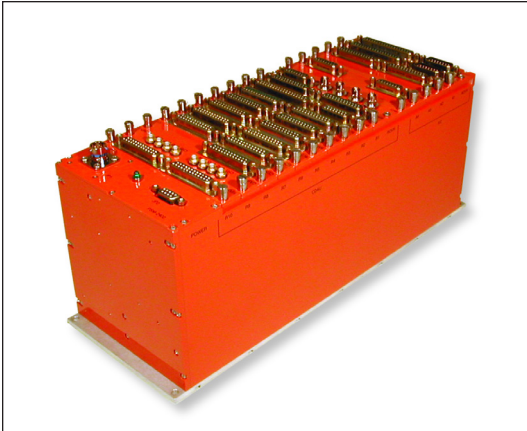


High-Speed System Controller and Data Acquisition Unit



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 boards
 - 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 boards
 - Uses all EDAU/CDAU plug-in signal conditioning boards
- Fully programmable operation
 - Standard serial RS-232/422 interface
 - Complete format programmability
 - Single point system programming
- Includes Microsoft Windows application 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 05/12/2015

CDAU-2020 Datasheet

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

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