

High-Speed System Controller



Description

The AIC-20XX is a high-speed Airborne Instrumentation Controller that operates at rates of up to 20 Mbps. The unit operates as data acquisition formatter/controller communicating and collecting data from low-speed distributed data acquisition units. A complete family of plug-in cards is available including CAIS (Common Airborne Instrumentation System) bus, E-bus, serial PCM input, and others.

Features

- High-speed system controller with up to 20 Mbps data rate
- Optional plug-in cards
 - Quad CAIS bus interface (RCI-204)
 - Quad E-bus interface (REI-204)
 - Quad programmable secondary PCM output (PSO-204)
 - 1553 remote terminal (BRT-553H)
 - MPEG-2 video (VID-200)
- Supports external GPS interface
- Accepts IRIG B modulated or DC time
- Generate multiple IRIG B modulated and DC time
- Supports selected data retrieval for transmission and/or cockpit display
- Provides fully programmable operation
 - Single point system programming
 - Standard serial RS-232/422 interface
 - Complete format programmability
 - Operates at 12 or 16 bits per word
 - System-wide calibration and simultaneous sampling
 - Up to 8 independent PCM formats
- Supports PCM quick-look via RS-232/422 port
- Compatible with TTC CDAU/MCDAU/MWDAU units
- Includes Microsoft Windows application software
- Ruggedized airborne enclosure

Revision 05/11/2015

AIC-20XX & Cards Datasheet

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 Specifications subject to change without notice.

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

Teletronics - A Curtiss-Wright Company
 15 Terry Drive, Newtown, PA 18940
 phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com

www.ttcdas.com