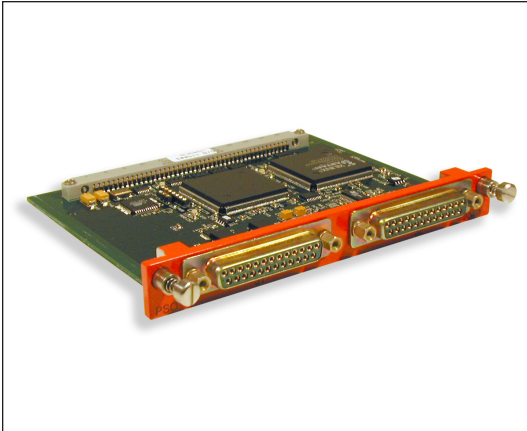


Programmable Secondary Output Card



Applications

- Distributed Data Acquisition Systems
- Safety of Flight Telemetry
- On-board Recording
- Real-time Data Display and Analysis

Features

- Plug-in Programmable Secondary Output (PSO) card for the AIC-200X
- Provides four (4) PSO Outputs
 - Programmable subset of AIC-200X composite output
 - Independently programmable data content, rate and PCM code and enable/disable on a format basis
 - Data/zero-phase clock outputs
 - Single-ended (TTL) and differential (RS-422) outputs provided
 - Bit rate up to 10 Mbps or the AIC-200X bit rate (whichever is less)
 - Individually enable/disable each output to reduce unwanted noise and/or emanations
- Provides Premodulation Filtered Output
 - Carries data from PSO output #1
 - Amplitude and offset are user-programmable
 - 6 Pole Bessel Response Filter
 - Automatic filter cutoff frequency based on bit rate
- Provides Ten (10) Optically Coupled Outputs
 - Can be used to control Transmit Frequency of an external transmitter
 - Up to 40 mA of sink current each output
- Programmable using TTCWare™ software application

Description

The PSO-204 card provides programmable secondary output capability to the AIC-200X product family. One (1) card can be used per AIC-200X chassis, which can be placed into slot location #2 or greater. The card provides four (4) system PCM data stream outputs for display, analysis, telemetry or archive purposes. Each output can be programmed to contain all composite data or a subset of the composite data content. Outputs operate at programmable rates up to 10 Mbps. Data and clocks are provided in RS-422 (differential TTL) and TTL (single ended) formats. The PSO-204 is also provided with a pre-modulation filter output for transmission. Ten (10) optically-coupled outputs are also available to drive/control external subsystems such as setting the frequency of an external transmitter.

Revision 05/11/2015

PSO-204 Datasheet

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

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