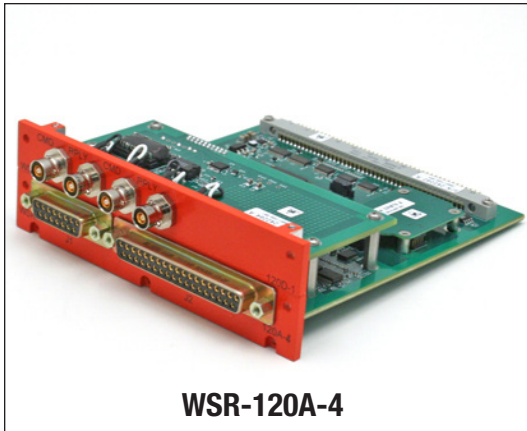


Wideband Overhead Card for WDAU with Optional CAIS Interface



Applications

- Stand-alone data acquisition
- Distributed systems
- CAIS applications

Features

- Operates as the PCM unit controller for a wideband acquisition unit operating at up to 20 Mbps
- Contains non-volatile format memory with programmable simultaneous sample, frame, bits per word, PCM code, and bit rate
- Provides the fundamental system sampling rate up to 1.25 MSPS
- Supports calibration, and system audit
- RS232/422/485 interface port for format loading, programming, and data monitoring
- Allows for the optional WSR-120D daughter card for CAIS programming, system audit, calibration signals, simultaneous sample, and data selection from the WSR-120A PCM output
- Converted data formatted into multiple identical RS-422 serial outputs
- PCM format operates in the following synchronization modes:
 - Asynchronous operation using an internal clock synthesizer
 - Synchronous operation to CAIS major frame
 - Synchronous operation to external pulse
 - Synchronous operation to IRIG time
- Time code reader/generator
- Accepts IRIG-B AC or DC inputs
- IRIG-B output time format
- Time compatible with IRIG 106-96
- Flywheel mode (runs on internal oscillator)
- Mission "elapsed time" mode (external reset)
- Fully supported by TTCWare programming and setup software

Description

The WSR-120A is a high-speed overhead card for use in the WDAU-20XX product family. The card enables the WDAU to operate as a wideband, stand-alone data acquisition unit with maximum bit rates up to 20 Mbps. The system works with I/O cards that are compatible with high-speed operation. The unit can also simultaneously operate as a CAIS remote slave unit. The WSR-120A can be used along with the optional WSR-120D card in the same WDAU chassis to provide operation as a CAIS remote slave unit for programming, data selection and synchronization, in addition to stand-alone operation. The WSR-120A also provides IRIG-B time code capability to the WDAU.

Revision 05/13/2015

WSR-120A Datasheet

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

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