

## Overhead Card for WDAU-2010/12/16



### Applications

- Stand-alone Data Acquisition
- Distributed Systems
- Vehicle Development
- CAIS Applications

### Features

- Operates as the WDAU PCM controller operating at up to 20 Mbps
- Contains non-volatile EEPROM format memory with programmable simultaneous sample, frame, Bits per word, PCM code and bit rate
- Provides the fundamental system sampling rate up to 20 Mbps or 1.25 MSPS
- PCM format operates under several synchronization modes:
  - Asynchronous operation using an internal clock synthesizer
  - Synchronous operation to External Sample
  - Synchronous operation to CAIS Major Frame or CAIS Minor Frame
- Supports calibration and system audit
- RS232 interface port for format loading, programming and data monitoring
- Allows the optional WCI-120D card for CAIS programming, System Audit, Calibration signals, Simultaneous sample and data selection from the WCI PCM output
- Fully supported by TTCWare programming and setup software

### Description

The WCI-120 card 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 certain I/O cards that are compatible with high-speed operation (e.g. GRC-104, GRC-204A, etc.). The unit can also simultaneously operate as a CAIS remote slave unit. The WCI-120 can be used along with an optional WCI-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.

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### WCI-120 Datasheet

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