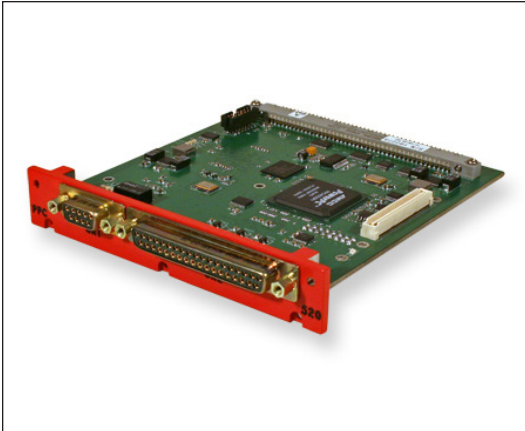


Overhead Network Interface Board for the nDAU-20XX



Applications

- Flight test instrumentation
- Avionics data acquisition
- Air vehicle test, certification or development
- Ethernet-based, network-distributed systems
- System safety monitoring

Features

- Overhead network interface board for the nDAU-20xx
- Provides a fundamental unit sampling rate of up to 1.25 MSPS
- Includes a Fast Ethernet 10/100BASE-T port for:
 - acquisition setup and configuration
 - SNMP status and control
 - acquisition data transport
 - time synchronization using IEEE-1588 time
- Replaces the RCI-105 and MCI-105 for the CDAU-20XX
- Replaces the REI-105 and MEI-105 for the EDAU-20XX
- Replaces the WCI-120(D) for the WDAU-20XX
- Operates as a standalone unit and interfaces to a networked instrumentation system
- Compatible with CDAU and EDAU remote I/O signal conditioning boards
- Fully supported by TTCWare® configuration and setup software

Description

The PPC-520 is a general processor board used in TTC's networked data acquisition unit (nDAU) product line. It provides all of the logic necessary to interface to acquisition boards connected to the backplane bus. The PPC-520 makes it possible to use any of TTC's COTS data acquisition boards. It delivers packetized data to an Ethernet-based network for recording, display, telemetry and processing purposes. The PPC-520 is fully programmable over the network and supports SNMP for status and control. It is fully compatible with IEEE 1588 to synchronize to the network clock for data time-tagging. The PPC-520, with its overhead function capability, has a PowerPC® processor with 32MB of RAM, and 64 MB of Flash. The PPC-520 is installed in the remote overhead slot of the nDAU-20xx.

Revision 05/13/2015

PPC-520-1 Datasheet

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CAIS
Compatible



Management
System
AS9100C
ISO 9001:2008

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