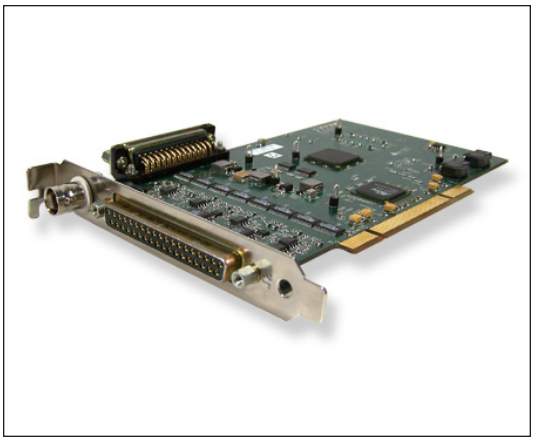
TELETRONICS TECHNOLOGY CORPORATION

PDAC-116 Datasheet

PCI, Digital to Analog Converters



Applications

- Data Analysis
- Flight Test Instrumentation

Features

- PC-based PCI Bus Half Size Card
  - Using 32 Bit/66 Mhz PCI Bridge for setup and control of the PDAC-116
- 16 Analog Outputs
  - Channel 16 is also output on the BNC connector
  - Each output programmable from 100mVp-p to +20Vp-p swing max (in the range of –10VDC to +10VDC)
  - Offset can be programmed at up to +/-50 percent of full-scale range
- 4 Digital RS422 outputs:
  - Can generate PCM at Bit Rates up to 20 Mbps (Mega-bits-per-second), NRZL Codes
- CVSD
  - Contains Audio Processor for CVSD decoding
- PCM Input
  - Receives PCM data from the RBDS-120 card
  - Maximum input rate is 20Mbps
- Windows Compatible Driver Software Included
- Applications: The sixteen (16) programmable, DAC-driven analog outputs can be used to drive strip chart recorders for real-time monitoring of important parameters. The four (4) sets of burst mode digital data would be useful for directing compressed video data to an external video decoder. In addition, one channel provides audio output (CVSD decoding).

Description

The PDAC-116 is a half size PCI card designed to operate in conjunction with TTC's RBDS-120 (Receiver, Bit Sync, Decom, and Simulator) card in a Personal Computer (PC) for preflight or lab test. The sixteen (16) programmable, DAC-driven analog outputs can be used to drive strip chart recorders for real-time monitoring of important parameters. 16 Analog outputs can be programmed for –10V to +10V max. Custom settings are available. Four (4) sets of burst mode digital data outputs are useful for directing compressed video data to an external video decoder. In addition, one channel of CVSD-decoded audio output is provided.

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AS9100 ISO 9001 KEMA CERTIFICATE

CAIS Compatible

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