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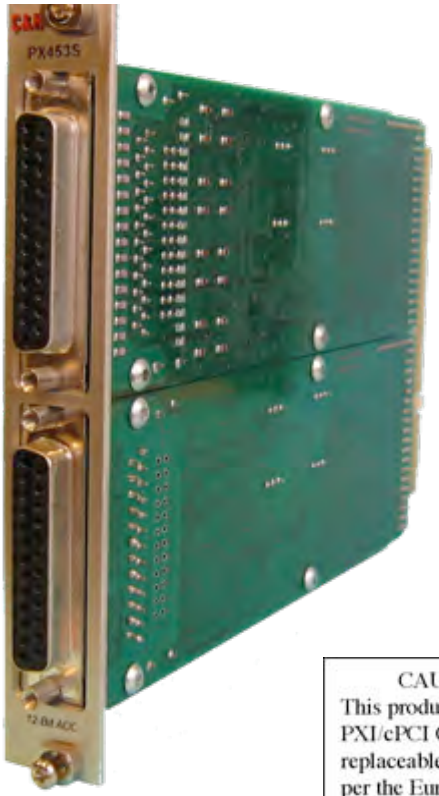

CAUTION
This product requires a PXI/cPCI Chassis with replaceable card guides per the Eurocard mechanical specification

PX453S
PXI 12-Bit ADC

The PX453S is a 16 or 32 channel 12-bit A/D converter that provides autonomous signal conversion using an on-board DSP to provide a programmable scan rate, gain/offset compensation, and storage of conversion results. The common-mode voltage inputs are optically coupled and have programmable input ranges. Each input has a 1KHz anti-aliasing filter and a programmable moving average filter. Stored data is automatically corrected with stored calibration data.

Overview:

Number of Channels: 16 or 32

A/D Resolution: 12 Bit

Update Rate: 50KHz

Input Features:
- Optically isolated
- Common-mode voltage inputs
- Programmable uni-polar/bi-polar
- 2-pole 1KHz anti-aliasing filters
- Moving average can be applied

Input Specifications:

Bi-polar	±5V or ±10V
Uni-polar	0 to +5V or 0 to +10V

Local Processing and Memory:
- Results are continuously updated in dual-ported memory
- Gain/offset compensation using stored calibration data

Interrupts:
- Measurement Cycle Ready
- Fault Condition

I/O Connector: (each 16 channels)
- 25-pin Femal DSUB

Power: (-0001/-0002)

+5V	1.2A / 2.1A
+12V	0mA / 0mA
-12V	0mA / 0mA

Temperature

Operating	0° C to 50° C
Storage	-40° C to 70° C

Ordering Information

Part Number

16 Channel	11029200-0001
32 Channel	11029200-0002

CPCI/PXI Compliance

Complies with PCI spec. 2.0 R3.0 and PCI spec 2.2

5V and 3.3V signaling voltage (VIO) supported

5V only power supply

33MHz PCI data bus

Five trigger lines compliant with PXI Specification 2.1

Form Factor: Size 3U

Applications
- Autonomous Signal Conversion
- Mid-range A/D Conversion

Additional Information

User Manuals and drivers for C&H modules can be found on our website at www.chtech.com.