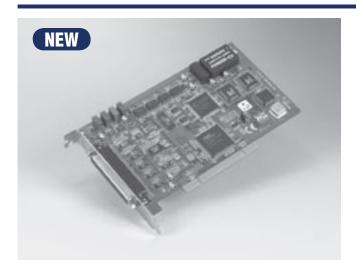
PCI-1715U

500 kS/s, 12-bit, 32-channel **Isolated Analog Input Card**



Features

- 2500 V_{DC} isolation protection
- 32 single-ended or 16 differential analog inputs, or a combination
- 12-bit resolution for A/D conversion
- Up to 500 kS/s sampling rate for A/D conversion
- Programmable gain for each input channel
- Onboard 1024 samples FIFO buffer
- S/W, internal or external pacer sampling modes supported
- Universal PCI Bus
- BoardID™ switch

Introduction

The PCI-1715U is an isolated high-speed analog input card for the PCI bus. It provides 32 analog input channels with a sampling rate up to 500 kS/s, 12-bit resolution and isolation protection of 2500 V_{DC}.

Specifications

Analog Input

Channels 32 single-ended /16 differential (SW programmable)

Resolution 12 bits Max. Sampling Rate 500 kS/s FIFO Size 1024 samples Overvoltage Protection +/- 30 Vp-p Isolation Protection 2,500 V_{DC}

 Input Impedance $1 \, \text{G}\Omega$

 Sampling Modes Software, onboard programmable pacer or external

(TTL level)

 Input Range (V, software programmable)

Unipolar	-	0~10	0 ~ 5	0 ~ 2.5	0 ~ 1.25
Bipolar	±10	±5	±2.5	±1.25	±0.625
Accuracy (% of FSR ±1LSB)	0.01	0.01	0.02	0.02	0.04

General

Bus Type Universal PCI V2.2 I/O Connector 37-pin D-type female Dimensions (L x H) 175 x 100 mm (6.9" x 3.9") Power Consumption Typical: +5 V @ 850 mA

Max: +5 V @ 1.0 A

• Operating Temperature $0 \sim 60^{\circ}$ C (32 $\sim 140^{\circ}$ F) (refer to IEC 68-2-1, 2)

 Storing Temperature -20 ~ 70° C (-4 ~ 158° F)

 Storing Humidity 5 ~ 95% RH non-condensing (refer to IEC 68-2-3)

Ordering Information

■ PCI-1715U 500 kS/s 12-bit, 32-channel Isolated Analog Input

Card, user's manual and driver CD-ROM.

(cable not included)

 PCLD-881B Industrial Wiring Terminal Board (cable not included)

ADAM-3937 Wiring Terminal Board PCL-10137-1 DB37 cable assembly, 1 m PCL-10137-2 DB37 cable assembly, 2 m PCL-10137-3 DB37 cable assembly, 3 m