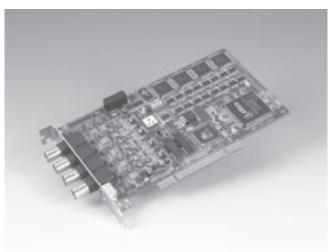
PCI-1714 PCI-1714UL

30 MS/s Simultaneous 4-ch Analog Input Card

10 MS/s Simultaneous 4-ch Analog Input Card



Features

- 4 single-ended analog input channels
- 12-bit A/D converter, with up to 30 MHz sampling rate
- Programmable gain
- Onboard FIFO memory
- (PCI-1714: 32,768 samples PCI-1714UL: 8,192 samples, each channel)
- 4 A/D converters simultaneously sampling
- Multiple A/D triggering modes
- Programmable pacer/counter
- BoardID™ switch





Introduction

PCI-1714 is an advanced high-performance data acquisition card based on the PCI bus. With a large FIFO of 32 K for each channel, the maximum sampling rate of PCI-1714 can get up to 30 MS/s, on each channel, with an emphasis on continuous, non-stop, high-speed, streaming data of samples to host memory. The low-cost PCI-1714UL offers 10MS/s on each channel at a stable rate, and has also been equipped with a universal PCI interface.

Specifications

Analog Input

Channels 4 single-ended Resolution 12 bits

 Max. Sampling Rate 30 MS/s for PCI-1714

(Under 32,768 samples for ea. ch) 10 MS/s for PCI-1714UL (Under 8,192 samples for ea. ch)

 FIFO Size PCI-1714: 32.768 samples for each channel

PCI-1714UL: 8,192 samples for each channel

• Overvoltage Protection 30 Vp-p

 Input Impedance 50 Ω /1 M Ω /Hi Z jumper selectable/100 pF

 Sampling Modes Software polling, pacer

 Trigger Modes Post-trigger, pre-trigger, delay-trigger, about-trigger

 Input Range (V, software programmable)

Bipolar	±5V	±2.5V	±1V	±0.5V

General

PCI-1714: PCI V2.2 Bus Type PCI-1714UL: Universal PCI V2.2

I/O Connectors 4 x BNC connector (for AI)

1 x PS/2 connector (for Ext. clock and trigger)

Dimensions 175 x 100mm (6.9" x 3.9")

 Power Consumption Typical+5 V @ 850 mA; +12 V @ 600 mA

Max.: +5 V @ 1 A ; +12 V @ 700m A

• Operating Temperature $0 \sim 70^{\circ} \text{ C} (32 \sim 158^{\circ} \text{ F})$ -20 ~ 85° C (-4 ~ 185° F) Storage Temperature

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

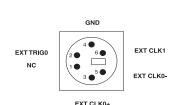
Certifications

Ordering Information

PCI-1714 30 MHz Simultaneous 4-ch Analog Input card PCI-1714UL 10 MHz Simultaneous 4-ch Analog Input card ADAM-3909 DB-9 Wiring Terminal for DIN-rail Mounting

PCL-10901-1 PS2 to DB9 Wiring Cable, 1 m PCL-10901-3 PS2 to DB9 Wiring Cable, 3 m PCL-1010B-1 BNC to BNC Wiring Cable, 1 m

Pin Assignments





GND GND GND EXT CLK1

Onboard PS/2 connector

PS/2 To DB-9 Cable Connector