

# PCI-9113A



**Analog Input**  
70K S/s at 12-bit (32 SE)



**Isolated**  
1500 V<sub>RMS</sub> typical, 2500 V<sub>RMS</sub> max

## Isolated Analog Input Card

## 32 Channels with up to 2500 V<sub>RMS</sub> Isolation

### Analog Input (A/D)

#### Converter

B.B. ADS774, successive approximation type

#### Channels

32 single-ended, 16 differential inputs

#### Resolution

12-bit

#### Isolation voltage

2,500 VRMS continuous by photocoupler

#### Input range

20 Volt range

Bipolar: +10 V, +1 V, +0.1 V

10 Volt range

Bipolar: +5 V, +0.5 V, +0.05 V

Unipolar: 0~10 V, 0~1 V, 0~0.1 V

#### Overvoltage protection

continuous  $\pm 35$  V maximum

#### Accuracy

0.015% of reading  $\pm 1$  bit

#### Input impedance

10 M $\Omega$

#### Trigger mode

software- and pacer trigger

#### Data transfer

polling, interrupt

#### FIFO buffer size

1024 samples

### Physical / Environmental

#### Connector

37-pin D-type connector

#### Operating Temperature

0 ~ 55°C

#### Storage Temperature

-20 ~ +80°C

#### Humidity

5~95%, non-condensing

#### Dimensions

173 (L) x 102 (H) mm

#### Power Consumption

+5 V @ 960 mA maximum

### Termination Boards

**ACLD-9881** : General Purpose Terminal Board  
with 32-CH Signal Conditioning  
(includes ACL-10137-1)

**ACLD-9137** : Screw Terminal Board  
with male DB-37 Connector

**ACLD-9188** : Industrial Termination Board

### Ordering Information

#### PCI-9113A

32SE/16DI Isolation 12-bit A/D Card

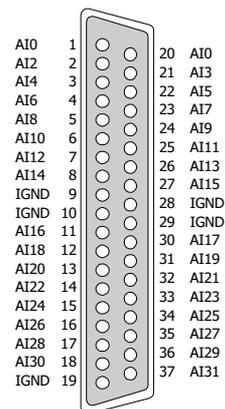
#### PCI-9113A/37

PCI-9113A + ACLD-9137

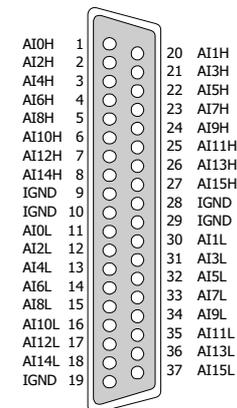
#### PCI-9113A/81

PCI-9113A + ACLD-9881

### Pin Assignment



Single Ended



Differential