

# PCI-4AD12F

It is a 32-bit high-speed data acquisition card with 4-channel synchronization analog input and up to 10Msps sampling rate



## Specifications and Features

### Analog Input

Channel: 4-channel  
 Resolution: 12-bit  
 FIFO Size: 32K x 32-bit; configurable as 4-channel 16K, 2-channel 32K or 1-channel 64K  
 Input Voltage Scale Range: -0.5V~0.5V, -1V~1V, -2.5V~2.5V, -5V~5V  
 Sampling Rate: 10Msps (max.)  
 Accuracy: 0.1% FSR  
 Input Impedance: 50Ω/1MΩ  
 Max. Input Voltage: ±15V  
 Sampling Clock: Internal clock, external clock 0, external clock 1  
 Trigger Source: Software trigger, external signal trigger, internal gating trigger, external gating trigger  
 Data Acquisition Method: One-time acquisition, continuous synchronization acquisition, post-trigger acquisition, post-trigger delay acquisition, pre-trigger acquisition, pre-trigger/post-trigger acquisition

## General Specifications

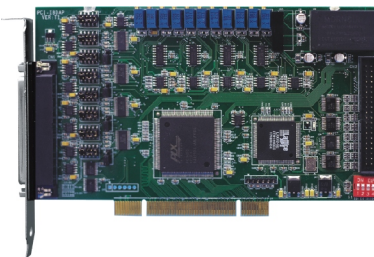
4-bit Board ID setup function  
 Power Consumption: Typical +5V@850mA, +12V@600mA; max. +5V@1A, +12V@700mA  
 External Dimensions (L x H): 175mm x 106mm (6.9" x 4.2")  
 Operating Temperature: 0°C~60°C  
 Storage Temperature: -20°C~70°C  
 Relative Humidity: Operating: 5%~95% RH, (IEC 68-2-3), non-condensing

## Ordering Information

Part Number	Model Number	Description
0060-003190	PCI-4AD12F	It is a 12-bit high-speed data acquisition card with 4-channel synchronization analog input and up to 10Msps sampling rate

# PCI-I8DAP

8-channel isolated 16-bit D/A output; 32-channel TTL digital input, 16-channel TTL digital output; continuous analog signal output



## Specifications and Features

### Analog (D/A) Output

Channel: 8-channel  
 Resolution: 16-bit  
 Output Signal Range: 0~5V, 0~10V, ±5V, ±10V  
 Converting Time: 1μs (up to 1MHz)  
 Integrated Converting Error: =0.02% FSR  
 FIFO Size: 8K x 16-bit  
 Clock Selection: Internal/external (continuous working mode)  
 Clock Frequency: Internal 10MHz (fixed value), external =10MHz (customizable)  
 Clock Level Feature:  $V_{L(MAX)}=0.8V$ ,  $V_{H(MIN)}=2.0V$   
 Output Method: Continuous method, one-time method  
 Output Impedance:  $\leq 0.2\Omega$   
 Driving Capacity: 3mA/channel  
 Output Slew Rate: <11V/μs  
 Isolation Voltage: =1000V<sub>DC</sub>

### TTL Digital Input

Input Channel: 32-channel

### TTL Digital Output

Output Channel: 16-channel

## General Specifications

4-bit Board ID setup function  
 Compatible with PCI2.1 specification  
 Power Consumption: Typical +5V@750mA; max. +5V@900mA  
 External Dimensions (L x H): 175mm x 106mm (6.9" x 4.2")  
 Operating Temperature: 0°C~60°C  
 Storage Temperature: -20°C~70°C  
 Operating Humidity: 5%~95% RH, (IEC 68-2-3), non-condensing

## Ordering Information

Part Number	Model Number	Description
0090-003290	PCI-I8DAP	8-channel isolated 16-bit D/A output; 32-channel TTL digital input, 16-channel TTL digital output; continuous analog signal output support
0060-001900	PCLD-880	DB-37 port industrial terminal board