PCI-4AD12F

It is a 12-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: $V_{IL(MAX)}$=0.8V, $V_{IH(MIN)}$=2.0V
Output Method: Continuous method, one-time method
Output Impedance: ≤0.2Ω
Driving Capacity: 3mA/channel
Output Slew Rate: <11V/μs
Isolation Voltage: =1000V_{DC}

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