

## DATA ACQUISITION PRODUCT-PCI

### 1MS/s 12-bit 64 channels Analog Input, 16 channels Digital Input/Output

#### Analog Input

Number of Channels: 64SE (synchronization per 2-channel)  
Resolution: 12 Bits  
Sample Rate: 1MS/s  
Voltage Range: -10~10V, -5~5V, 0~10V  
Buffer Storage: 8K FIFO Data Buffers  
Triggering: Digital

#### Digital I/O

Number of Channels: 16 DIO



PCI8664

### 80KS/s 14-bit 16 analog inputs, 80KS/s sampling rate, 14-bit resolution

#### Analog Input

Number of Channels: 16 SE  
Resolution: 14 Bits  
Sample Rate: up to 80KS/s/ch  
Voltage Range: -10~10V or 0~5V, 0~2.5V  
Buffer Storage: 8K FIFO Data Buffers  
Triggering: Analog, Digita



PCI8008

### 250KS/s 16-bit 32 or 16 channels Analog Input/Output, 16 channels Digital Input/Output, 16-bit Counter

#### Analog Input

Number of Channels: 32SE/16DI  
Resolution: 16 Bits  
Sample Rate: 250KS/s  
Voltage Range: -10~10V, -5~5V, -2.5~2.5V, 0~10V, 0~5V  
Buffer Storage: 8K FIFO Data Buffers  
Programmable Gain: 1/2/4/8 times (default)  
or 1/2/5/10 times or 1/10/100/1000 times

Triggering: Digital

#### Digital I/O

Number of Channels: 14 DI/O



PCI8622



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## DATA ACQUISITION PRODUCT-PCI

### 100KS/s 12-bit 32 channels Analog Input, 16 channels Digital Input/Output, 1 channel Counter

#### Analog Input

Number of Channels: 32SE  
Resolution: 12 Bits  
Sample Rate: 100KS/s  
Voltage Range: -10~10V, -5~5V, 0~10V  
Programmable Gain: 1/2/4/8 times (default) or 1/2/5/10 times or 1/10/100/1000 times

Buffer Storage: 8K FIFO Data Buffers

Triggering: Digital

#### Digital I/O

Number of Channels: 16 DI/O

#### Counter

Resolution: 16 Bits



**PCI8646**

### 400KS/s 14-bit 32 channels Analog Input, 16 channels Digital Input/Output, 16-bit Counter , pluse function

#### Analog Input

Number of Channels: 32SE/16DI  
Resolution: 14 Bits  
Sample Rate: 400KS/s  
Voltage Range: -10~10V, -5~5V or 0~5V, 0~2.5V  
Programmable Gain: 1/2/4/8 times (default) or 1/2/5/10 times or 1/10/100/1000 times

Buffer Storage: 8K FIFO Data Buffers

Triggering: Digital

#### Digital I/O

Number of Channels: 16 DI/O

#### Counter

Resolution: 16 Bits



**PCI8696**

### 32 channels Isolation Digital Input/Output

#### Isolation Digital I/O

Number of Channels: 32 DI/O

Isolation Voltage

Input Voltage: 3750Vrms (Min)

Output Voltage: 2500Vrms (Min)

Interrupt: Yes



**PCI2310**



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## DATA ACQUISITION PRODUCT-PCI

### 400MS/s 12-bit 4-channel Synchronous High-Speed Data Acquisition with 8-channel digital Input/output

#### Analog Input

Number of Channels: 4SE

Resolution: 12 Bits

Sample Rate: 40MS/s/ch

Voltage Range: -2.5~2.5V, -5~5V, -1~1V, -0.5~0.5V

Buffer Storage: 512K/ch RAM Data Buffers

Triggering: Analog, Digital

Data Transfers: Query, DMA

#### Digital I/O

Number of Channels: 8 DI/O



PCI8002A

### 1MS/s 12-bit 64 channels Analog Input, 4 channels Analog Output, 8 channels Digital Input/Output, Counter

#### Analog Input

Number of Channels: 64SE

Resolution: 12 Bits

Sample Rate: 1MS/s

Voltage Range: -2.5~2.5V, -5~5V

Buffer Storage: 8K FIFO Data Buffers

Triggering: Analog, Digital

#### Analog Output

Number of Channels: 4

Resolution: 12 Bits

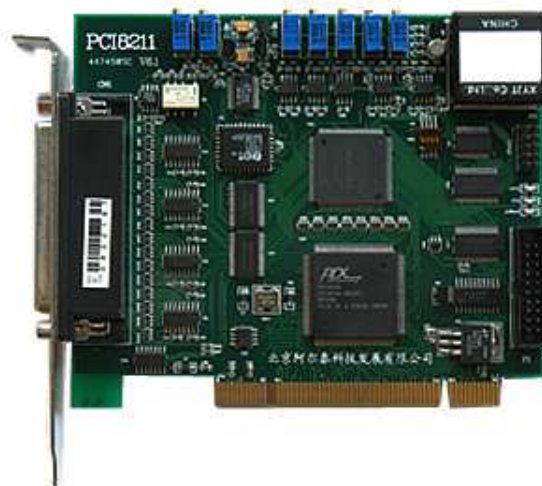
Voltage Range: -10~10V, -5~5V, 0~5V, 0~10V

#### Digital I/O

Number of Channels: 8 DIO

#### Counter

Resolution: 16 Bits



PCI8211



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## DATA ACQUISITION PRODUCT-PCI

100KS/s 12-bit 32 or 16 channels Analog Input, 4 channels Analog Output, 8 channels Digital Input/Output, 16-bit Counter/Timer

### **Analog Input**

Number of Channels: 32SE/16DI

Resolution: 12 Bits

Sample Rate: 100KS/s

Voltage Range: -10~10V, -5~5V, 0~10V

Programmable Gain: 1/2/4/8 times (default) or 1/2/5/10 times  
or 1/10/100/1000 times

Buffer Storage: 8K FIFO Data Buffers

Triggering: Analog, Digital

### **Analog Output**

Number of Channels: 4

Resolution: 12 Bits

Voltage Range: -10~10V, -5~5V, 0~5V, 0~10V

### **Digital I/O**

Number of Channels: 8 DIO

### **Counter**

Resolution: 16 Bits



**PCI8600**

1MS/s 12-bit 2 channels Analog Output, Arbitrary Waveform Generator, 16 channels Analog Input, 8 channels Digital Input/Output

### **Analog Input**

Number of Channels: 16SE/8DI

Resolution: 12 Bits

Sample Rate: 100KS/s

Voltage Range: -10~10V, -5~5V, -2.5~2.5V, 0~10V

Programmable Gain: 1/2/4/8 times (default)

1/2/5/10 times or 1/10/100/1000 times

Buffer Storage: 8K FIFO Data Buffers

Triggering: Analog, Digital

### **Analog Output**

Number of Channels: 2

Resolution: 12 Bits

Update Rate: 1MS/s

Voltage Range: -10~10V, -5~5V, 0~5V, 0~10V

Buffer Storage: 256K RAM Data Buffers

Arbitrary Waveform Generation: Yes

### **Digital I/O**

Number of Channels: 8 DI/O



**PCI8603**



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## DATA ACQUISITION PRODUCT-PCI

400KS/s 14-bit 32 or 16 channels Analog Input, 4 channels Analog Output, 8 channels Digital Input/Output, 16-bit Counter; Pulse function

### Analog Input

Number of Channels: 32SE/16DI

Resolution: 14 Bits

Sample Rate: 400KS/s

Voltage Range: -10~10V, -5~5V or 0~5V, 0~2.5V

Programmable Gain: 1/2/4/8 times (default) or 1/2/5/10 times  
or 1/10/100/1000 times

Buffer Storage: 8K FIFO Data Buffers

Triggering: Analog, Digital

### Analog Output

Number of Channels: 4

Resolution: 12 Bits

Voltage Range: -10V~10V, -5~5V, 0~5V, 0~10V

### Digital I/O

Number of Channels: 8DI/O

### Counter

Resolution: 16 Bits



PCI8640

400KS/s 14-bit 32 or 16 channels Analog Input, 1 channel Analog Output, 16 channels Digital Input/Output

### Analog Input

Number of Channels: 32SE/16DI

Resolution: 14 Bits

Sample Rate: 400KS/s (2 AD chips, synchronization per 2-channel)

Voltage Range: -10~10V, -5~5V, 0~5V, 0~2.5V

Programmable Gain: 1/2/4/8 times (default) or 1/2/5/10 times or 1/10/100/1000 times

Buffer Storage: 4K FIFO Data Buffers

### Analog Output

Number of Channels: 1

Resolution: 12 Bits

### Digital I/O

Number of Channels: 16 DI/O



PCI2010



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## DATA ACQUISITION PRODUCT-PCI

### 16 channels Isolation Digital Input, 16 channels Relay Output

#### Isolation Digital Input

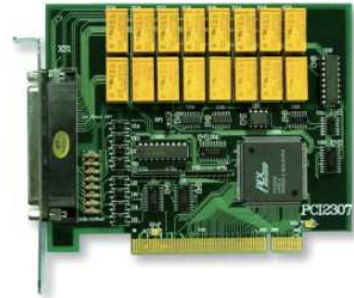
Number of Channels: 16 DI

#### Relay Output

Number of Channels: 16

Isolation Voltage: 3750Vrms (Min)

Contact Capacity: 24VDC 1A, 12VAC 1A



**PCI2307**

### 32 channels TTL Input/Output, 9 channels Counter/Timer

#### Digital I/O

Number of Channels: 32 TTL DI/O

#### Counter/Timer

Number of Channels: 9

Resolution: 16 Bits



**PCI2361**

### 250KS/s 16-bit 32 or 16 channels Analog Input, 4 channels Analog Output, 8 channels Digital Input/Output, 16-bit Counter/Timer

#### Analog Input

Number of Channels: 32SE/16DI

Resolution: 16 Bits

Sample Rate: 250KS/s

Voltage Range: -10~10V, -5~5V, -2.5~2.5V

Programmable Gain: 1/2/4/8 times (default) or 1/2/5/10 times  
or 1/10/100/1000 times

Buffer Storage: 8K FIFO Data Buffers

Triggering: Analog, Digital

#### Analog Output

Number of Channels: 4

Resolution: 12 Bits

Voltage Range: -10~10V, -5~5V, 0~5V, 0~10V

Digital I/O Number of Channels: 8DI/O

Counter Resolution: 16 Bits



**PCI8602**



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## DATA ACQUISITION PRODUCT-PCI

### 250KS/s or 500KS/s 16-bit 32 channels Isolation

#### Analog Input

##### Isolation Analog Input

Number of Channels: 32SE/16DI

Resolution: 16 Bits

Sample Rate: 250KS/s

Voltage Range: -10~10V, -5~5V, -2.5~2.5V, 0~10V, 0~5V

Programmable Gain: 1/2/4/8 times (default) or 1/2/5/10 times or 1/10/100/1000 times

Buffer Storage: 8K FIFO Data Buffers

Triggering: Digital



PCI8191

### 250KS/s 16-bit 32 or 16 channels Isolation

#### Analog Input, 4 channels Isolation Analog Output

##### Isolation Analog Input

Number of Channels: 32SE/16DI

Resolution: 16 Bits

Sample Rate: 250KS/s

Voltage Range: -10~10V, -5~5V, -2.5~2.5V, 0~10V, 0~5V

Programmable Gain: 1/2/4/8 times (default) or 1/2/5/10 Times or 1/10/100/1000 times

Buffer Storage: 8K FIFO Data Buffers

##### Isolation Analog Output

Number of Channels: 4

Resolution: 12 Bit

Current and Voltage Range: -10~10V, -5~5V, 0~10V, 0~5V, 0~10mA, 4~20mA



PCI2318

### 16-bit 32 channels Synchronization Analog Output

#### Synchronization Analog Output

Number of Channels: 32

Resolution: 16 Bits

Update Rate: 100KS/s

Voltage Range: -10~10V, -5~5V, -2.5~2.5V, 0~10V, 0~5V



PCI8304



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## DATA ACQUISITION PRODUCT-PCI

### 500KS/s 12-bit 32 channels Analog Input, 16 channels Digital Input/Output

#### Analog Input

Number of Channels: 32SE/16DI

Resolution: 12 Bits

Sample Rate: 500KS/s

Voltage Range(Automatic switching): -10~10V, -5~5V, -2.5~2.5V, 0~10V

Programmable Gain: 1/2/4/8 times (default) or 1/2/5/10times or 1/10/100/1000 times

#### Digital I/O

Number of Channels: 16 DI/O



PCI18735

### 4-axis Quadrature Encoder and Counter, 32-bit 4 channels Counter, 4 channels Isolation Digital Input/Output

#### Counter

Number of Channels: 4

Resolution: 32 Bits

Input Type: SE or DI

#### Isolation Digital I/O

Number of Channels: 4DI/O

Optional Multi-level Rate of Digital Filter: Yes

Count Model: Each Encoding CycleX1, X2, X4

Isolation: 2500Vrms (Min)



PCI2394

### 96 channels Digital Input/Output, Counter/Timer

#### Digital Two-way MDI multi-function I/O

Number of Channels: 48 DIO (24-channel independent TTL input/output)

#### Counter/Timer

Number of Channels: 3

Resolution: 16 Bits



PCI2362



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## DATA ACQUISITION PRODUCT-PCI

100KS/s 12-bit 16 channels Analog Input,  
4 channels Analog Output, 16 channels Digital  
Input/Output, 3 channels Counter

### Analog Input

Number of Channels: 16SE/8DI  
Resolution: 16 Bits  
Sample Rate: 100KS/s  
Voltage Range: -10~10V, -5~5V, 0~10V  
Programmable Gain: 1/2/4/8 times (default) or  
1/2/5/10 times or 1/10/100/1000 times  
Buffer Storage: 8K FIFO Data Buffers  
Triggering: Analog, Digital

### Analog Output

Number of Channels: 4  
Resolution: 12 Bits  
Voltage Range: -10~10V, -5~5V, 0~5V, 0~10V

### Digital I/O

Number of Channels: 16 DIO

### Counter

Number of Channels: 3  
Resolution: 32 Bits



PCI8613

250KS/s 16-bit 32 channels Analog Input, 16  
channels Digital Input/Output

### Analog Input

Number of Channels: 32SE/16DI  
Resolution: 16 Bits  
Sample Rate: 250KS/s  
Voltage Range: -10~10V, -5~5V, 2.5~2.5V, 0~10V, 0~5V  
Programmable Gain: 1/2/4/8 times (default) or  
1/2/5/10 times or  
1/10/100/1000 times

Buffer Storage: 8K FIFO Data Buffers

### Digital I/O

Number of Channels: 16 DI/O



PCI8753



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## DATA ACQUISITION PRODUCT-PCI

1 channel 16-bit Analog Output, Arbitrary  
Waveform Generation, 16 or 8 channels  
Analog Input, 16 channels Digital  
Input/Output

### **Analog Output**

Number of Channels: 1

Resolution: 16 Bits

Voltage Range: -10~10V, -5~5V, 0~10V, 0~5V

Buffer Storage: 4K FIFO Data Buffers

Arbitrary Waveform Generation: Yes

### **Analog Input**

Number of Channels: 16SE/8DI

Resolution: 16 Bits

Sample Rate: 250KS/s

Voltage Range: -10~10V, -5~5V, -2.5~2.5V, 0~10V,  
0~5V

Buffer Storage: 4K FIFO Data Buffers

Triggering: Analog, Digital

### **Digital I/O**

Number of Channels: 16 DI/O



**PCI8053**

16-bit 4 channels synchronization Analog  
Output

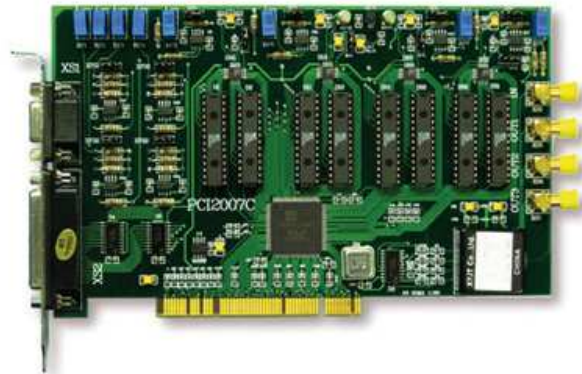
### **Synchronization Analog Output**

Number of Channels: 4

Resolution: 16 Bits

Voltage Range: -10~10V, -5~5V, 0~10V

On-Board Memory: 16K



**PCI2007A**



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## DATA ACQUISITION PRODUCT-PCI

500KS/s 12-bit 16 channels Analog Input, 4 channels Analog Output, 16 channels Digital Input/Output, 3 channels Counter

### Analog Input

Number of Channels: 16SE/8DI  
Resolution: 12 Bits  
Sample Rate: 500KS/s  
Voltage Range: -10~10V, -5~+5V, -2.5~+2.5V, 0~10V  
Programmable Gain: 1/2/4/8(default) or 1/2/5/10 or 1/10/100/1000

### Analog Output

Number of Channels: 4  
Resolution: 12 Bits  
Voltage Range: -10~10V, -5~5V, 0~10V, 0~5V  
Digital I/O

Number of Channels: 16 DI/O

Counter/Timer

Number of Channels: 3

Resolution: 20 Bits



PCI8932

### Analog Input

Number of Channel : 4  
Sample Rate : 2.5MS/s/ch  
Resolution : 14bit  
On-Board Memory : 64K  
Simultaneous Sampling: Yes

### Analog Output

Number of Channel : 1  
Resolution : 12bit

### Digital I/O

Number of Channel : 16DI/O



PCI8020

### Analog Input

Number of Channel : 4  
Sample Rate : 400KS/s/ch  
Resolution : 14bit  
Voltage Range : ±10V, ±5V  
On-Board Memory : 64K  
Simultaneous Sampling: Yes

### Analog Output

Number of Channel : 1  
Resolution : 12bit

### Digital I/O

Number of Channel : 16DI/O



PCI8025



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## DATA ACQUISITION PRODUCT-PCI

### Analog Input

Number of Channel : 16  
Sample Rate : 25KS/s/ch  
Resolution : 14bit  
Voltage Range :  $\pm 10V, \pm 5V$   
On-Board Memory : 64K  
Simultaneous Sampling: Yes



**PCI2008**

### Analog Input

Number of Channel : 32  
Sample Rate : 1MS/s  
Resolution : 12bit  
On-Board Memory : 8K

### Digital I/O

Number of Channel : 16DI/O

### Counter/Timer

16 bit Counter, pulse function



**PCI8606**

### Analog Input

Number of Channels : 16  
Sample Rate : 100 KS/s  
Resolution : 16-bit

### Analog Output

Number of Channels : 4  
Resolution : 12 bit

### Digital I/O

Number of Channels : 16 DI/O

### Counter/Timer

Number of Channels : 3-CH



**PCI2319**



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## DATA ACQUISITION PRODUCT-PCI

### Analog Output

Number of Channels :1  
Resolution :16 bits  
Voltage Range :  $\pm 10V$ ,  $\pm 5V$ ,  $0\sim 10V$ ,  $0\sim 5V$

### Analog Input

Number of Channels :16  
Sample Rate :250 KS/s  
Resolution :16-bit  
Voltage Range :  $\pm 10V$   
On-Board Memory : 4 K



PCI2005

### Counter

Number of Channel 4  
Resolution 32 bits  
Input Rate 20MHz  
DMA support Yes

### Digital I/O

Number of Channels 8DI/DO



PCI2390



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