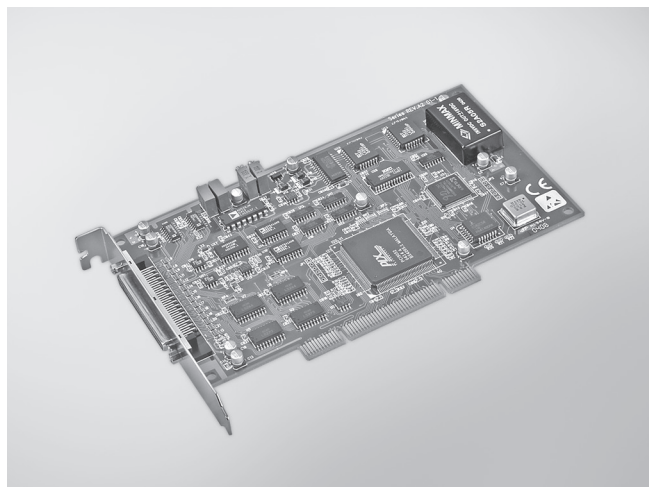


PCI-1711U/UL

100 kS/s, 12-bit, 16-ch Universal PCI Multifunction DAQ Card



FCC CE RoHS

Specifications

Analog Input

- Channels 16 single-ended
- Resolution 12 bits
- Max. Sampling Rate 100 kS/s

Note: The sampling rate for each channels will be affected by used channel number. For example, if 4 channels are used, the sampling rate is $100k/4 = 25$ kS/s per channel.

- FIFO Size 1,024 samples
- Overvoltage Protection 30 Vp-p
- Input Impedance $2\text{ M}\Omega/5\text{ pF}$
- Sampling Modes Software, onboard programmable pacer, or external
- Input Range (V, software programmable) & Absolute Accuracy

Bipolar	± 10	± 5	± 2.5	± 1.25	± 0.625
Absolute Accuracy (% of FSR)*	0.1	0.1	0.2	0.2	0.4

* ± 1 LSB is added as the derivative for absolute accuracy

Analog Output (PCI-1711U only)

- Channels 2
- Resolution 12 bits
- Output Rate Static update
- Output Range (Software programmable)

Internal Reference	Unipolar	0 ~ 5 V, 0 ~ 10 V
External Reference		0 ~ +x V @ -x V (-10 \leq x \leq 10)

- Slew Rate 11 V/ μ s
- Driving Capability 3 mA
- Output Impedance 0.81 Ω
- Operation Mode Static update
- Accuracy INLE: ± 0.5 LSB
DNLE: ± 0.5 LSB

Digital Input

- Channels 16
- Compatibility 5 V/TTL
- Input Voltage Logic 0: 0.8 V max.
Logic 1: 2.0 V min.

Features

- 16-ch single-ended analog input
- 12-bit A/D converter, with up to 100 kHz sampling rate
- Programmable gain
- Automatic channel/gain scanning
- Onboard FIFO memory (1,024 samples)
- Two 12-bit analog output channels (PCI-1711U only)
- 16-ch digital input and 16-ch digital output
- Onboard programmable counter

Vertrieb durch



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Digital Output

- Channels 16
- Compatibility 5 V/TTL
- Output Voltage Logic 0: 0.8 V
Logic 1: 2.0 V
- Output Capability Sink: 8.0 mA @ 0.8 V
Source: 0.4 mA @ 2.0 V

Pacer/Counter

- Channels 1
- Resolution 16 bits
- Compatibility 5 V/TTL
- Max. Input Frequency 10 MHz
- Reference Clock Internal: 10 MHz

General

- Bus Type Universal PCI V2.2
- I/O Connector 1 x 68-pin SCSI female connector
- Dimensions (L x H) 175 x 100 mm (6.9" x 3.9")
- Power Consumption
PCI-1711U Typical: 5 V @ 850 mA
Max.: 5 V @ 1.0 A
PCI-1711UL Typical: 5 V @ 700 mA
Max.: 5 V @ 1.0 A
- Operating Temperature 0 ~ 60°C (32 ~ 140°F)
- Storage Temperature -20 ~ 70°C (-4 ~ 158°F)
- Storage Humidity 5 ~ 95% RH non-condensing

Ordering Information

- PCI-1711U Entry-level 100 kS/s, 12-bit Multifunction Card
- PCI-1711UL Entry-level 100 kS/s, 12-bit Multi. Card w/o AO

Accessories

- PCLD-8710 DIN-rail Wiring Board w/ CJC
- PCL-10168-1E 68-pin SCSI Shielded Cable, 1 m
- PCL-10168-2E 68-pin SCSI Shielded Cable, 2 m
- ADAM-3968 68-pin DIN-rail SCSI Wiring Board