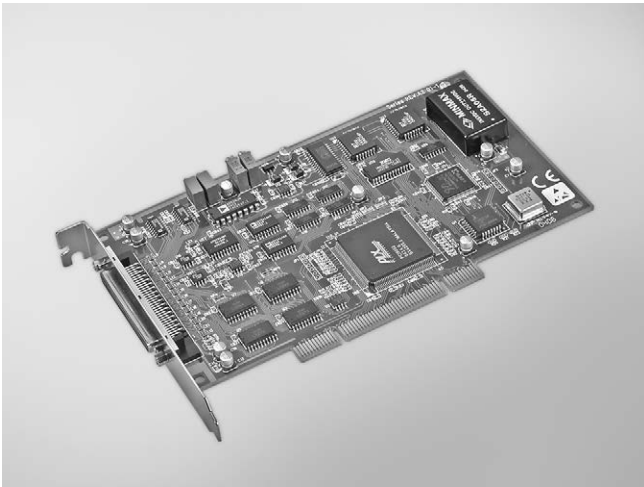


PCI-1711U/UL

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



FCC CE RoHS

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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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 M Ω /5 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** (V, software programmable)

Internal Reference	Unipolar	0 ~ 5, 0 ~ 10
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** Software polling
- 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.

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) (refer to IEC 68-2-1, 2)
- Storage Temperature** -20 ~ 70°C (-4 ~ 158°F)
- Storage Humidity** 5 ~ 95% RH non-condensing (refer to IEC 68-2-3)

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-10168-1** 68-pin SCSI Shielded Cable, 1 m
- PCL-10168-2** 68-pin SCSI Shielded Cable, 2 m
- ADAM-3968** 68-pin DIN-rail SCSI Wiring Board



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