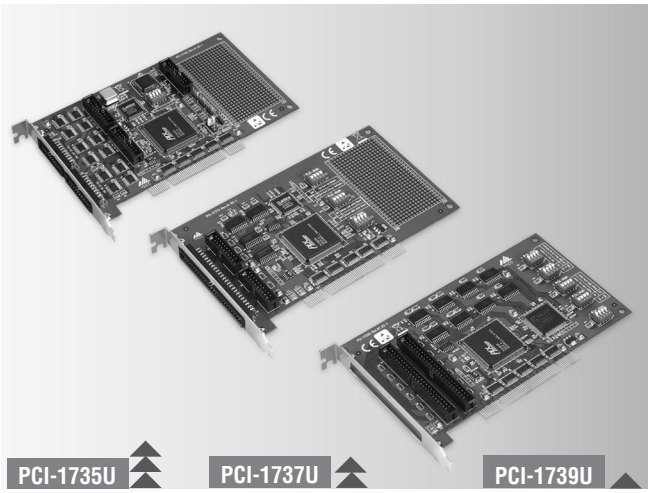
PCI-1735U
PCI-1737U
PCI-1739U

64-ch Digital I/O and Counter Universal PCI Card

24-ch Digital I/O Universal PCI Card

48-ch Digital I/O Universal PCI Card



FCC CE RoHS COMPLIANT 2002/95/EC

Features

- ISA-Compatible with PCL-720+ (PCI-1735U), PCL-724 (PCI-1737U) and PCL-731 (PCI-1739U)
- TTL-level digital input and output compatibility
- Emulates mode 0 of 8255 PPI (PCI-1737U and PCI-1739U)
- Interrupt handling capability (PCI-1737U and PCI-1739U)
- Output status readback (PCI-1737U and PCI-1739U)
- 3 programmable counter/timer channels and User configurable clock source (PCI-1735U)
- Breadboard area for custom circuits (PCI-1735U and PCI-1739U)
- PCI universal card

Specifications

Digital Input

- **Channels**: PCI-1735U: 32
PCI-1737U: 24 (shared with output)
PCI-1739U: 48 (shared with output)
- **Compatibility**: 5 V/TTL
- **Input Voltage**: PCI-1735: Logic 0: 0.8V max. Logic 1: 2.0V min.
PCI-1737U/1739U: Logic 0: 0.4V max. Logic 1: 2.4V min.
- **Interrupt Capable Ch.**: PCI-1737U: 1
PCI-1739U: 2

Digital Output

- **Channels**: PCI-1735U: 32
PCI-1737U: 24 (shared with input)
PCI-1739U: 48 (shared with input)
- **Compatibility**: 5 V/TTL
- **Output Voltage**: PCI-1735U: Logic 0: 0.5 V max. Logic 1: 2.4 V min.
PCI-1737U/1739U: Logic 0: 0.4 V max. Logic 1: 2.4 V min.
- **Output Capability**: PCI-1735U: Sink: 0.5 V @ 24 mA Source: 2.4 V @ 15 mA
PCI-1737U/1739U: Sink: 0.4 V @ 24 mA Source: 2.4 V @ 15 mA

Counter/Timer (PCI-1735U)

- **Channels**: 3
- **Resolution**: 16 bits
- **Compatibility**: 5 V/TTL
- **Max. Input Frequency**: 1 MHz
- **Re. Clock Internal**: Selectable 1 MHz, 100 kHz, or 10 kHz base clock
- **Ext. Clock Frequency**: Jumper selectable divider: x2, x1, x0.5, and x0.25
- **Prog.Counter Modes**: 6

General

- **Bus Type**: Universal PCI V2.2
- **I/O Connectors**: PCI-1735U: 5 x 20-pin box header
PCI-1737U: 2 x 20-pin & 1 x 50-pin box header
PCI-1739U: 2 x 50-pin box header
- **Dimensions (L x H)**: 175 x 100 mm (6.9" x 3.9")
- **Power Consumption**: PCI-1735U: 5V @365 mA (max.)
PCI-1737U: 5V @300 mA (max.)
PCI-1739U: 5V @720 mA (max.)
- **Operating Temperature**: 0 ~ 65°C (32 ~ 149°F)
- **Storage Temperature**: -25 ~ 80°C (-13 ~ 176°F)
- **Storage Humidity**: 5 ~ 95% RH, non-condensing

Ordering Information

- **PCI-1735U**: 64-ch Digital I/O and Counter Card
- **PCI-1737U**: 24-ch Digital I/O Universal PCI Card
- **PCI-1739U**: 48-ch Digital I/O Universal PCI Card

Accessories

- **PCL-10120-1E**: IDC-20 Flat Cable, 1 m
- **PCL-10120-2E**: IDC-20 Flat Cable, 2 m
- **PCL-10150-1.2E**: 50-pin Flat Cable, 1.2 m
- **ADAM-3920**: 20-Pin Flat Cable Terminal, DIN-rail Mount
- **ADAM-3950**: 50-pin DIN-rail Flat Cable Wiring Board

All product specifications are subject to change without notice