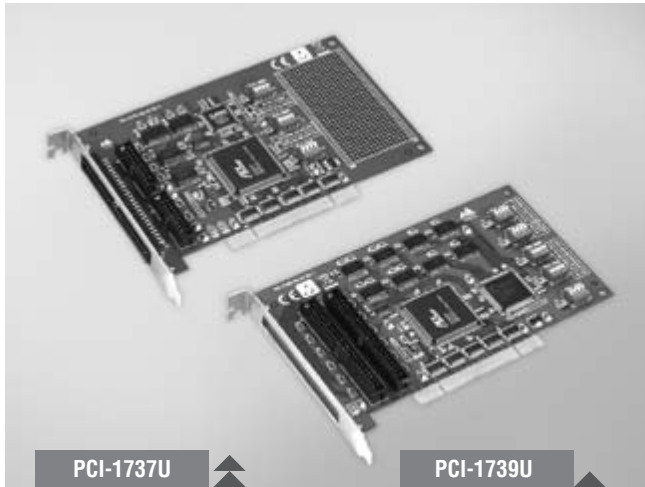


# PCI-1737U PCI-1739U

24-ch Digital I/O Universal PCI Card

48-ch Digital I/O Universal PCI Card



## Features

- ISA-Compatible with PCL-724(PCI-1737U) and PCL-731(PCI-1739U)
- 24 TTL digital I/O channels for PCI-1737U and 48 TTL digital I/O channels for PCI-1739U
- Emulates mode 0 of 8255 PPI
- Interrupt handling capability
- Opto-22 compatible 50-pin connectors
- Output status readback
- PCI universal card

## Specifications

### Digital Input

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

### Digital Output

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

### General

- **Bus Type** Universal PCI V2.2
- **I/O Connectors** 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-1737U: 5 V @ 294.9 mA (max.)  
PCI-1739U: 5 V @ 540.8 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 (refer to IEC 68-2-3)

## Ordering Information

- **PCI-1737U** 24-ch Digital I/O Universal PCI Card
- **PCI-1739U** 48-ch Digital I/O Universal PCI Card
- **PCL-10150-1.2** 50-pin Flat Cable, 1.2 m
- **PCLD-782B** 24-ch IDI Board w/ 20-pin & 50-pin Flat Cables
- **PCLD-785B** 24-ch Relay Board w/ 20-pin & 50-pin Flat Cables
- **PCLD-7216** 16-ch SSR I/O Module Carrier Board
- **PCLD-885** 16-ch Power Relay Board w/ 20p & 50p Flat Cables
- **ADAM-3950** 50-pin DIN-rail Flat Cable Wiring Board

## Pin Assignments

CN1			CN2		
PC 07	1 2	GND	PC 17	1 2	GND
PC 06	3 4	GND	PC 16	3 4	GND
PC 05	5 6	GND	PC 15	5 6	GND
PC 04	7 8	GND	PC 14	7 8	GND
PC 03	9 10	GND	PC 13	9 10	GND
PC 02	11 12	GND	PC 12	11 12	GND
PC 01	13 14	GND	PC 11	13 14	GND
PC 00	15 16	GND	PC 10	15 16	GND
PB 07	17 18	GND	PB 17	17 18	GND
PB 06	19 20	GND	PB 16	19 20	GND
PB 05	21 22	GND	PB 15	21 22	GND
PB 04	23 24	GND	PB 14	23 24	GND
PB 03	25 26	GND	PB 13	25 26	GND
PB 02	27 28	GND	PB 12	27 28	GND
PB 01	29 30	GND	PB 11	29 30	GND
PB 00	31 32	GND	PB 10	31 32	GND
PA 07	33 34	GND	PA 17	33 34	GND
PA 06	35 36	GND	PA 16	35 36	GND
PA 05	37 38	GND	PA 15	37 38	GND
PA 04	39 40	GND	PA 14	39 40	GND
PA 03	41 42	GND	PA 13	41 42	GND
PA 02	43 44	GND	PA 12	43 44	GND
PA 01	45 46	GND	PA 11	45 46	GND
PA 00	47 48	GND	PA 10	47 48	GND
+5 V	49 50	GND	+5 V	49 50	GND

\*Note: CN2 is only for PCI-1739U