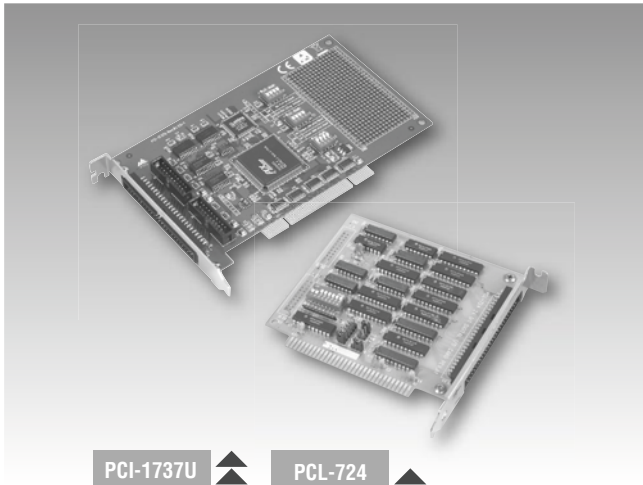


# PCI-1737U PCL-724

24-ch Digital I/O Card

24-ch Digital I/O Card



PCI-1737U ▲

PCL-724 ▲



## Features

- 24 TTL digital I/O channels
- Emulates mode 0 of 8255 PPI
- Interrupt handling
- Opto-22 compatible 50-pin connectors
- Output status readback
- PCI universal card (both 3.3V and 5V signaling, PCI-1737U only)

## Specifications

### Digital Input

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

### Digital Output

- **Channels** 24 (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** PCI-1737: Universal PCI V2.2  
PCL-724: ISA
- **I/O Connectors** 50-pin male ribbon-cable connector
- **Dimensions (L x H)** PCL-724: 125 x 100 mm (4.9" x 3.9")  
PCI-1737U: 175 x 100 mm (6.9" x 3.9")
- **Power Consumption**  
PCL-724: Typical: +5 V @ 0.5 A  
Max: +5 V @ 0.8 A  
PCI-1737U: Max: +5 V @ 294.9 mA
- **Operating Temperature** PCL-724: 0 ~ 60° C (32 ~ 140° F)  
PCI-1737U: 0 ~ 65° C (32 ~ 149° F)
- **Storing Temperature** PCL-724: -20 ~ 70° C (-4 ~ 158° F)  
PCI-1737U: -25 ~ 80° C (-13 ~ 176° F)
- **Storing Humidity** 5 ~ 95% RH, non-condensing (refer to IEC 68-2-3)

## Ordering Information

- **PCL-724** 24-ch digital I/O card, user's manual and driver CDROM (cable not included)
- **PCI-1737U** 24-ch digital I/O card, user's manual and driver CDROM (cable not included)
- **PCL-10150-1.2** 50-pin flat cable, 1.2 m
- **PCLD-782B** 24/16-ch. opto-isolated digital input board
- **PCLD-785B** 24/16-ch. relay output board
- **PCLD-7216** 16-ch. carrier board for SSR I/O modules
- **PCLD-885** 16-ch. power relay (Form A) output board
- **ADAM-3950** 50-pin flat cable wiring terminal for DIN-rail mounting

## Pin Assignments

PC 7	1	2	GND
PC 6	3	4	GND
PC 5	5	6	GND
PC 4	7	8	GND
PC 3	9	10	GND
PC 2	11	12	GND
PC 1	13	14	GND
PC 0	15	16	GND
PB 7	17	18	GND
PB 6	19	20	GND
PB 5	21	22	GND
PB 4	23	24	GND
PB 3	25	26	GND
PB 2	27	28	GND
PB 1	29	30	GND
PB 0	31	32	GND
PA 7	33	34	GND
PA 6	35	36	GND
PA 5	37	38	GND
PA 4	39	40	GND
PA 3	41	42	GND
PA 2	43	44	GND
PA 1	45	46	GND
PA 0	47	48	GND
+5 V	49	50	GND