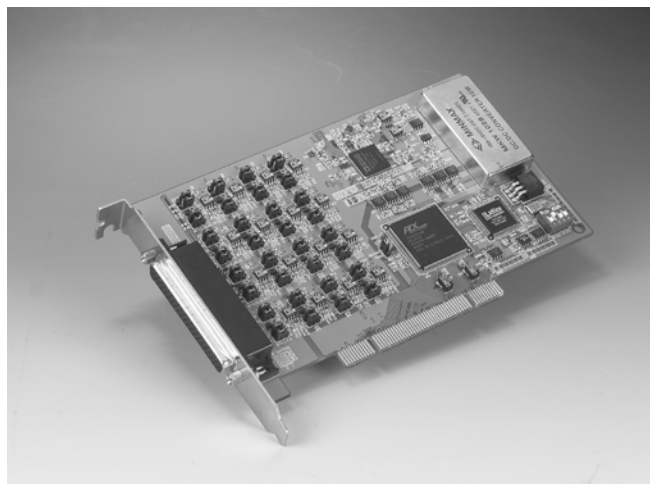


# PCI-1724U

14-bit, 32-ch Isolated  
Analog Output Card



FCC CE

## Features

- High-density 32-channel analog output channels
- Flexible Output Range: +/-10 V, 0 ~ 20 mA and 4 ~ 20 mA
- Synchronized output function
- Keeps output values after system hot reset
- BoardID™ switch

## Introduction

PCI-1724U is an isolated high-density multiple channel analog output card for the PCI bus, where each analog output channel is equipped with a 14-bit DAC. It features optional voltages, current output and a BoardID™ switch. PCI-1724U is an ideal solution for industrial applications where multiple analog output channels are required.

## Specifications

### Analog Output

- **Channels** 32 isolated
- **Resolution** 14 bits
- **Output Rate** Static update
- **Output Range** (Software programmable)

Internal Reference	<b>Bipolar (V)</b>	±10
	<b>Current Loop (mA)</b>	0~ 20, 4 ~ 20

- **Isolation Protection** 1,500 V<sub>DC</sub> system isolation
- **Output Impedance** 0.1 Ω max.
- **Operation Modes** Software polling, synchronized output
- **Accuracy** Relative +/- 4 LSB  
Differential Non-linearity +/- 2 LSB (monotonic)

### General

- **Bus Type** Universal PCI V2.2
- **I/O Connectors** 1 x 62-pin D-type
- **Dimensions (L x H)** 175 x 100 mm (6.9" x 3.9")
- **Power Consumption** +5 V @ 400 mA, +12 V @ 270 mA max.
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F) (refer to IEC 68-2-1, 2)
- **Storing Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Storing Humidity** 5 ~ 95 % RH, non-condensing (refer to IEC 68-2-3)

## Ordering Information

- **PCI-1724U** 14-bit, 32-ch isolated analog output Card
- **PCI-10162** DB62 cable assembly (1m, 3m)
- **ADAM-3962** DB62 cable wiring terminal for DIN-rail mounting

## Applications

- Process control
- Programmable voltage source
- Programmable current sink
- Servo control
- Multiple loop PID control
- V-command motion control

## Pin Assignments

AGND	AGND	1	22	43	AGND
AO8	AGND	2	23	44	AO16
AGND	AO0	3	24	45	AGND
AO9	AGND	4	25	46	AO17
AGND	AO1	5	26	47	AGND
AO10	AGND	6	27	48	AO18
AGND	AO2	7	28	49	AGND
AO11	AGND	8	29	50	AO19
AGND	AO3	9	30	51	AGND
AO12	AGND	10	31	52	AO20
AGND	AO4	11	32	53	AGND
AO13	AGND	12	33	54	AO21
AGND	AO5	13	34	55	AGND
AO14	AGND	14	35	56	AO22
AGND	AO6	15	36	57	AGND
AO15	AGND	16	37	58	AO23
AGND	AO7	17	38	59	AO28
AGND	AO24	18	39	60	AO29
AGND	AO25	19	40	61	AO30
AGND	AO26	20	41	62	AO31
NC	AO27	21	42		
	NC				