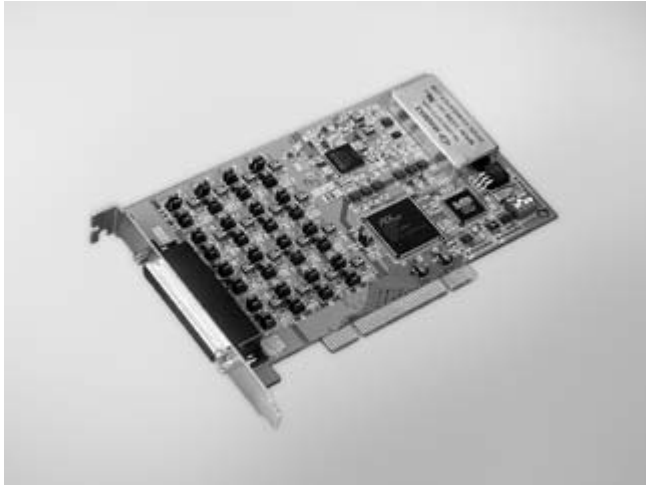


# PCI-1724U

## 14-bit, 32-ch Isolated Analog Output Universal PCI Card



RoHS COMPLIANT  
2005/618/EC

FCC CE

### Features

- 32 high-density analog output channels
- Flexible Output Range: +/-10 V, 0 ~ 20 mA and 4 ~ 20 mA
- Synchronized output function
- Keeps the output settings and 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	Bipolar (V)	±10
	Current Loop (mA)	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)
- **Driving Capacity** 10 mA

#### General

- **Bus Type** Universal PCI V2.2
- **I/O Connectors** 1 x DB62 female connector
- **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)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Storage Humidity** 5 ~ 95 % RH, non-condensing (refer to IEC 68-2-3)

### Ordering Information

- **PCI-1724U** 14-bit, 32-ch Isolated AO Universal PCI Card
- **PCL-10162-1** DB62 Cable, 1 m
- **PCL-10162-3** DB62 Cable, 3 m
- **ADAM-3962** DB62 DIN-rail Wiring Board

### Pin Assignments

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