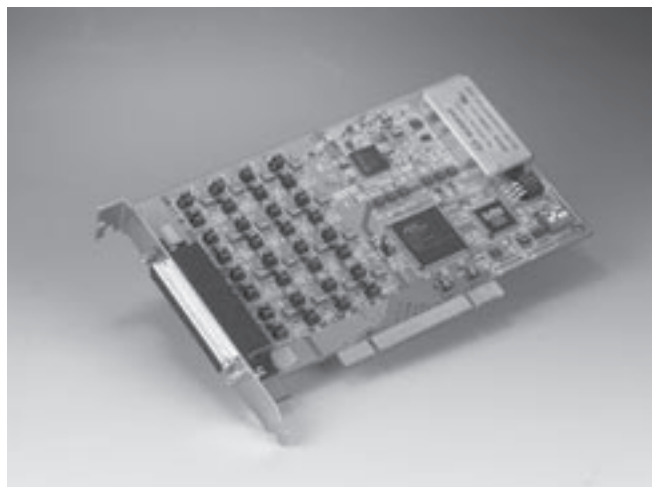


PCI-1724U

14-bit, 32-ch Isolated Analog Output Card



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 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	Bipolar (V)	±10
	Current Loop (mA)	0 ~ 20, 4 ~ 20

- **Isolation Protection** 1,500 V_{DC} 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 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 (1 m, 3 m)
- **ADAM-3962** DB62 cable wiring terminal for DIN-rail mounting

Pin Assignments

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