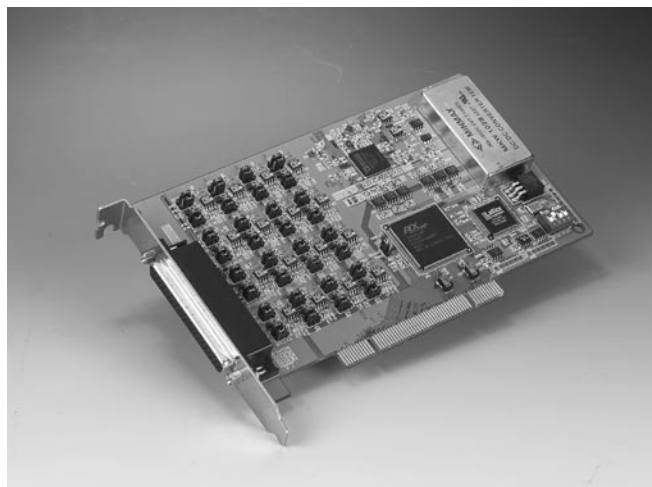


PCI-1724U

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

The 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. The PCI-1724U is an ideal solution for industrial applications where multiple analog output channels are required.

Specifications

Analog Output

- **Channels** 32 ch isolation
- **Resolution** 14-bit
- **Operation Mode** Single output, synchronized output
- **Output Range** -10 ~ +10 V, 0 ~ 20 mA, 4 ~ 20 mA (Internal Reference only)
- **Accuracy** Relative +/- 4 LSB
Differential Non-linearity +/- 2 LSB (monotonic)
- **Offset** < 2 LSB
- **Output Impedance** 0.1 Ω max.
- **Throughput** PC dependent, Software update (Direct AO)
- **Settling Time** 60 μ s
- **Isolation** 1,500 V_{DC} system isolation

General

- **I/O Connector Type** One 62-pin D-type connector
- **Dimensions (L x H)** 175 x 100 mm (6.9" x 3.9")
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F) (refer to IEC 68-2-1, 2)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Operating 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					
AO8	AGND	1	22	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			