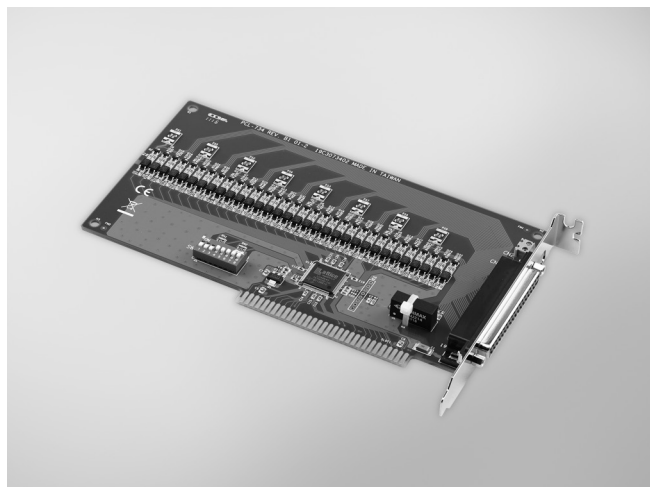


PCL-734

32-ch Isolated Digital Output ISA Card



Features

- 32 isolated digital output channels
- High output driving capacity
- High-voltage isolation on output channels
- High sink current on isolated output channels (200 mA/channel)
- Integral suppression diodes for inductive loads
- Wide output range (5 ~ 40 V_{DC})
- D-type connectors for isolated output channels

Introduction

The PCL-734 card offers 32 isolated digital output channels with isolation protection up to 2,500 V_{DC}, which makes them ideal for industrial applications where high-voltage isolation is required.

Specifications

Isolated Digital Output

- **Channels** 32
- **Output Type** Sink (NPN)
- **Isolation Protection** 2,500 V_{DC}
- **Output Voltage** 5 ~ 40 V_{DC}
- **Sink Current** 200 mA max. per channel
- **Opto-isolator Response** 100 μs

General

- **Bus Type** ISA
- **I/O Connectors** 37-pin D-type female
- **Dimensions (L x H)** 185 x 100 mm (7.3" x 3.9")
- **Power Consumption** Typical: 5 V @ 330 mA; 12 V @ 80 mA
Max.: 5 V @ 500 mA; 12 V @ 105 mA
- **Operating Temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage Temperature** -20~70°C(-4~158°F)
- **Storage Humidity** 5 ~ 95% RH, non-condensing (refer to IEC 68-2-3)

Ordering Information

- **PCL-734** 32-channel isolated digital ISA output card, user manual and driver CD-ROM (cable not included)
- **PCL-10137-1** DB37 cable, 1m
- **PCL-10137-2** DB37 cable, 2m
- **PCL-10137-3** DB37 cable, 3m
- **ADAM-3937** DB37 wiring terminal for DIN-rail mounting

Pin Assignments

IDO 0	1	20	IDO 1
IDO 2	2	21	IDO 3
IDO 4	3	22	IDO 5
IDO 6	4	23	IDO 7
PCOM 1	5	24	IDO 8
IDO 9	6	25	IDO 10
IDO 11	7	26	IDO 12
IDO 13	8	27	IDO 14
IDO 15	9	28	PCOM 2
IDO 16	10	29	IDO 17
IDO 18	11	30	IDO 19
IDO 20	12	31	IDO 21
IDO 22	13	32	IDO 23
PCOM 3	14	33	IDO 24
IDO 25	15	34	IDO 26
IDO 27	16	35	IDO 28
IDO 29	17	36	IDO 30
IDO 31	18	37	PCOM 4
E. GND	19		