

CHAPTER
1

General Information

Introduction

The PCL-733 has 32 isolated, bidirectional digital input channels, which provide 2,500 V of protection. The PCL-733 offers two PC interrupts with jumper-selectable IRQ. Each input channel corresponds to a bit in a PC I/O port, making the PCL-733 very easy to program.

Features

- 32 isolated, bidirectional digital input channels
- High-voltage isolation (2,500 V_{DC})
- Interrupt capacity
- D-type connectors for isolated input channels

Applications

- Industrial On/Off control
- Contact closure monitoring
- Switch status sensing
- BCD interfacing
- Digital input control
- Industrial and lab automation

Specifications

- **Input voltage:** 5 to 24 V_{DC}
- **Input resistance:** 1.2 KW @ 0.5 W
- **Isolation voltage:** 2,500 V_{DC}
- **Throughput:** 10 KHz max.
- **Interrupt level:** 2, 3, 5, 7, 10, 11, 12, 15
- **Interrupt source:** Isolated input channel 0 and channel 16
- **Register format:**

BASE+0	Isolated DI0-DI7
BASE+1	Isolated DI8-DI15
BASE+2	Isolated DI16-DI23
BASE+3	Isolated DI24-DI31
- **Dimensions:** 185 mm x 100 mm
- **Connectors:** DB-37 connector for isolated digital input
- **Power consumption:** +5 V: 320 mA typical, 500 mA maximum

