

PCI-1757UP

24-ch Digital I/O Low Profile Universal PCI Card



Features

- Low profile PCI form factor
- Universal PCI bus
- 24 TTL level digital I/O channels
- Emulates mode 0 of 8255 PPI
- Buffered circuits provide higher driving capability
- Output status read-back
- I/O configurable by software or on board DIP switch
- Keeps the output settings and values after system hot reset
- BoardID™ switch
- Convenient DB25 connector
- Supports both dry and wet contact

Introduction

PCI-1757UP is a 24-channel digital I/O low profile PCI card that meets the PCI standard REV.2.2 (universal PCI expansion card). The card also works with 3.3 V and 5 V PCI slots, and provides you with 24 parallel digital input/output channels that emulate mode 0 of the 8255 PPI chip. However, the buffered circuits offer a higher driving capability than the 8255.

Specifications

Digital Input

- **Channels** 24 (shared with output)
- **Compatibility** 5 V/TTL
- **Input Voltage** Logic 0: 0.8 V @ -0.2 mA
Logic 1: 2.0 V @ 20 mA
- **Interrupt Capable Ch.** 2

Digital Output

- **Channels** 24 (shared with input)
- **Compatibility** 5 V/TTL
- **Output Voltage** Logic 0: 0.5 V max. @ -24 mA
Logic 1: 3.7 V max. @ 24 mA
- **Output Capability** Sink: 24 mA
Source: 15 mA

General

- **Bus Type** Universal PCI V2.2
- **I/O Connectors** 1 x DB25 female connector
- **Dimensions (L x H)** 120 x 64 mm (4.7" x 2.5") Low profile MD1
- **Power Consumption** Typical: 5 V @ 140 mA
Max.: 5 V @ 200 mA
- **Operating Temperature** 0 ~ 70° C (32 ~ 158° F)
- **Storage Temperature** -20 ~ 80° C (-4 ~ 176° F)
- **Storage Humidity** 5 ~ 95% non-condensing

Ordering Information

- **PCI-1757UP** 24-ch Digital I/O Low Profile Universal PCI Card
- **ADAM-3925** DB25 DIN-rail Wiring Board
- **PCL-10125-1** DB25 Cable, 1 m
- **PCL-10125-3** DB25 Cable, 3 m
- **PCLD-782B** 24-ch IDI Board w/ 20-pin & 50-pin Flat Cables
- **PCLD-785B** 24-ch Relay Board w/ 20-pin & 50-pin Flat Cables

Pin Assignments

