

PCL-722

144-ch Digital I/O ISA Card



Features

- Emulates 8255 PPI mode 0
- Buffered circuits for higher driving capacity than the 8255
- Interrupt handling capability
- Output status readback
- Pin compatible with Opto-22 I/O module racks

Specifications

Digital Input

- **Channels** 144 (24 channels x 6 ports) shared with output
- **Compatibility** 5 V/TTL
- **Input Voltage** Logic 0: 0.8 V max.
Logic 1: 2.0 V min.
- **Interrupt Capable Ch.** Bits 0 and 3 of Port C can generate an interrupt to IRQ 2, 3, 4, 5, 6 or 7

Digital Output

- **Channels** 144 (24 channels x 6 ports) shared with input
- **Compatibility** 5 V/TTL
- **Output Voltage** Port A, B Logic 0: 0.5 V max.
Logic 1: 2.4 V min.
Port C Logic 0: 0.4 V max.
Logic 1: 2.0 V min.
- **Output Capability** Port A, B Sink: 12 mA
Source: 8 mA
Port C Sink: 24 mA
Source: 15 mA

General

- **Bus Type** ISA
- **Power Consumption** Typical: 5 V @ 1.3 A
Max.: 5 V @ 1.8 A
- **Operating Temperature** 0 ~ 60° C (32 ~ 140° F)
- **Storage Temperature** -20 ~ 70° C (-4 ~ 158° F)
- **Operating Humidity** 5 ~ 95% RH, non-condensing (refer to IEC 68-2-3)
- **I/O Connectors** 6 x 50-pin box header
- **Dimensions (L x H)** 334 x 100 mm (13.2" x 3.9")

Ordering Information

- **PCL-722** 144-ch Digital I/O ISA Card
- **PCL-10150-1.2** 50-pin Flat Cable, 1.2 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
- **PCLD-7216** 16-ch SSR I/O Module Carrier Board
- **PCLD-885** 16-ch Power Relay Board w/ 20p & 50p Flat Cables
- **ADAM-3950** 50-pin DIN-rail Flat Cable Wiring Board

Pin Assignments

| | | | |
|------|----|----|-----|
| PC 7 | 1 | 2 | GND |
| PC 6 | 3 | 4 | GND |
| PC 5 | 5 | 6 | GND |
| PC 4 | 7 | 8 | GND |
| PC 3 | 9 | 10 | GND |
| PC 2 | 11 | 12 | GND |
| PC 1 | 13 | 14 | GND |
| PC 0 | 15 | 16 | GND |
| PB 7 | 17 | 18 | GND |
| PB 6 | 19 | 20 | GND |
| PB 5 | 21 | 22 | GND |
| PB 4 | 23 | 24 | GND |
| PB 3 | 25 | 26 | GND |
| PB 2 | 27 | 28 | GND |
| PB 1 | 29 | 30 | GND |
| PB 0 | 31 | 32 | GND |
| PA 7 | 33 | 34 | GND |
| PA 6 | 35 | 36 | GND |
| PA 5 | 37 | 38 | GND |
| PA 4 | 39 | 40 | GND |
| PA 3 | 41 | 42 | GND |
| PA 2 | 43 | 44 | GND |
| PA 1 | 45 | 46 | GND |
| PA 0 | 47 | 48 | GND |
| +5V | 49 | 50 | GND |