PCIE-1751

48-ch Digital I/O and 3-ch Counter PCI Express Card



Features

- Emulates mode 0 of 8255 PPI (every port with nibble)
- Buffered circuits for higher driving capacity than the 8255
- Interrupt handling capability
- Timer/Counter interrupt capability
- Supports both dry and wet contact
- Keeps the I/O port setting and DO state after system reset
- BoardID switch
- Pattern match interrupt function for DI
- "Change of state" interrupt function for DI
- Programmable digital filter function for DI
- Output status read back

Vertrieb durch

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Introduction

PCIE-1751 is a 48-bit digital I/O card for the PCI Express bus. Its 48 channels are divided into six 8-bit I/O ports and users can configure each 4-channel per port (nibble) as input or output via software. PCIE-1751 also provides three 32-bit counters..

Specifications

Digital Input

Channels 48 (shared with output)

Compatibility 5 V/TTL

Input Voltage
Logic 0: 0.8 V max.
Logic 1: 2 V min.

• Interrupt Capable Ch. 6

Digital Output

• Channels 48 (shared with input)

Compatibility 5 V/TTL

Output Voltage Logic 0: 0.4 V max.

Logic 1: 2.4 V min. Sink: 0.4 V @ 24 mA

Output Capability
Sink: 0.4 V @ 24 mA
Source: 2.4 V @ 15 mA

Counter/Timer

Channels3

Resolution 3 x 32-bit counter
Compatibility 5 V/TTL
Max. Input Frequency 10 MHz

Reference ClockInternal: 20K / 200K / 2M / 20MHz

External Clock Frequency: 10 MHz External Voltage Range: 5 V/TTL

General

Bus Type Universal PCI Express

I/O Connectors
Dimensions (L x H)
Power Consumption
1 x 68-pin SCSI female connector
168 x 100 mm (6.6" x 3.9")
Typical: 3.3 V @ 850 mA

Max.: 3.3V @ 2.63 A

Note: The maximum power consumption includes power consumption for +5 V output (on pin 34 and pin

68, with 0.5 A)

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

• PCIE-1751 48-ch Digital I/O and 3-ch Counter PCI Express

Accessories

PCL-10168-1 68-pin SCSI Shielded Cable, 1 m
PCL-10168-2 68-pin SCSI Shielded Cable, 2 m
ADAM-3968 68-pin DIN-rail SCSI Wiring Board
ADAM-3968/20 68-pin SCSI to 3 20-pin Box Header Board
ADAM-3968/50 68-pin SCSI to 2 50-pin Box Header Board
PCLD-8751 48-ch Isolated Digital Input Board
PCLD-8761 24-ch Replay/ Isolated Digital Input Board

• PCLD-8762 48-ch Relay Board

Pin Assignment





