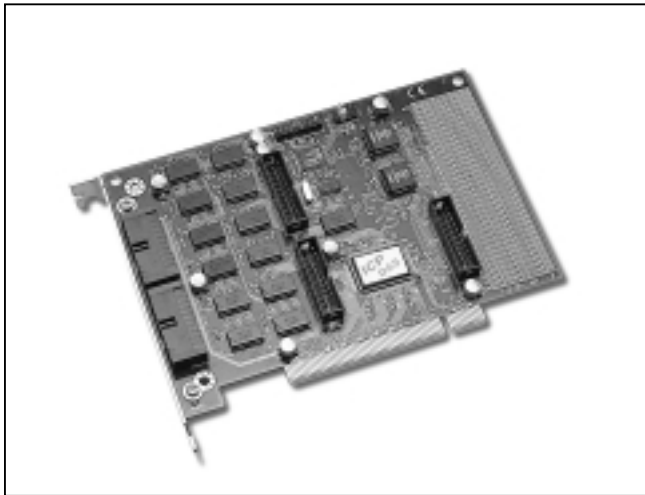




PIO-D64

PCI BUS 64-BIT DIO Board With Timer/Counter



Functional Description

The PIO-D64 provides 32 digital input channels, 32 output channels and 6 counter/timer channels. The PIO-D64 consists of two 16-bit input ports and two 16-bit output ports. The user can use the DB-16P to connect the input ports (CN2, CN4) for isolation purpose, or use DB-16R to interface to the output ports (CN1, CN3) for relay control. There are four clock sources, 2M, 1M, 500K, and 250K on the board. The user can choose one of them through jumper setting. The user can use the clock source from the soldering pad. One timer/counter provides 3 channels for frequency measurement, event counting and pulse generation. Another 8254 provide 3 channels for interrupt function. It can be installed in a 5 V PCI bus and can support truly " Plug & Play".

Features

- 2 digital input lines
- 32 digital output lines
- 3 independent programmable 16-bit counters
- One 16-bit counter, one 32-bit timer with a 4 MHz time base
- Interrupt source: 3 channels
- Breadboard area for add-on circuitry

ApplicationS

- Factory automation
- Laboratory automation
- Communication switching
- Industrial automation

Specifications

- All inputs are TTL compatible
Logic high voltage: 2.4V (Min.)
Logic low voltage: 0.8V (Max.)
- All outputs are TTL compatible
Sink current: 24 mA (Max.)
Source current: 15 mA (Max.)

- Power consumption: +5V / 580mA

Environmental

- Operating Temperature: 0 to 60°C
- Storage Temperature: -20°C to 80°C
- Humidity: 0 to 90% non-condensing
- Dimension: 156mm x 105mm

Software

- PCI-DIO Development Toolkit for DOS
- PCI-DIO Development Toolkit for Win95
- PCI-DIO Development Toolkit for WinNT

Order Description

- PIO-D64: PCI bus 64-bit DIO board with timer/Counter

Options

- DB-16P: 16 channel opto-isolated input board
- DB-16R: 16 channel relay terminal board
- DB-24PR: 24 channel power relay board
- DB-24POR: 24 channel PhotoMos relay board
- DB-24C : 24 channel open-collector output board
- DN-20: I/O connector block with DIN-Rail mount
- DN-20/N: DN-20 without DIN-Rail mount
- ADP-20/PCI: 20-pin extender
- PCI-DIO LabVIEW Development Toolkit for Win95
- PCI-DIO LabVIEW Development Toolkit for WinNT

Pin Assignment

