

PISO-730 32-Channel Isolated I/O BOARD



Functional Description

The PISO-730 provides 32 channels isolated digital I/O (16xDI and 16xDO) and 32 channels TTL-level digital I/O (16xDI and 16xDO). The board interface to field logic signals, eliminating ground-loop problems and isolating the host PC from damaging voltages. Its isolated I/O channels provide up to 2,500Vdc of protection.

The PISO-730 has one 37-pin D-type connector and two 20-pin flat-cable connectors. The flat-cable can be connected to ADP-20/PCI adapter. The adapter can be fixed on the chassis. It can be installed in a 5V PCI slot and can support truly "Plug and Play".

Features

- PCI Bus
- 16 isolated DI channels
- 16 isolated DO channels
- 32 TTL-level DIO channels (16 x DI & 16 x DO)
- DC/DC converter built-in
- Two separate 20-pin connectors for non-isolated input and output channels.
- 2500Vdc isolation voltage
- Interrupt: 2 channels
- 5V PCI board

Applications

- Factory automation
- Product test
- Laboratory automation

Specifications

Isolated Digital Input

- 16 Optical-isolated inputs
- Type : Isolated current input
- Isolation Voltage : 2500Vdc
- Input voltage : 3.5V to 30 Vdc
- Input impedance : 1.2K/1W
- Response time: 10KHz Max

16 TTL-level inputs

- Logic high voltage: 2.4V (Min.)
- Logic low voltage: 0.8V (Max.)

Isolated Digital Output

- 16 optical-isolated outputs
- Output voltage: open-collector 5 to 30 Vdc

- Isolation voltage : 2,500Vdc

- Sink current: 200mA max.

- Response time: 10KHz max.

16 TTL-level Outputs

- Sink current: 8 mA (Max.)

- Source current: 0.4 mA (Max.)

Power consumption: 5V/640mA

Environmental

- Operating Temperature: 0 to 50 °C

- Storage Temp.: -20 °C to 70 °C

- Humidity: 0 to 90 % non-condensing

- Dimension: 180 mm x 105 mm

Software

- PISO-DIO Development Toolkit for DOS

- PISO-DIO Development Toolkit for Win95

- PISO-DIO Development Toolkit for WinNT

Order Description

- PISO-730: 32-channel isolated Digital I/O board

Options

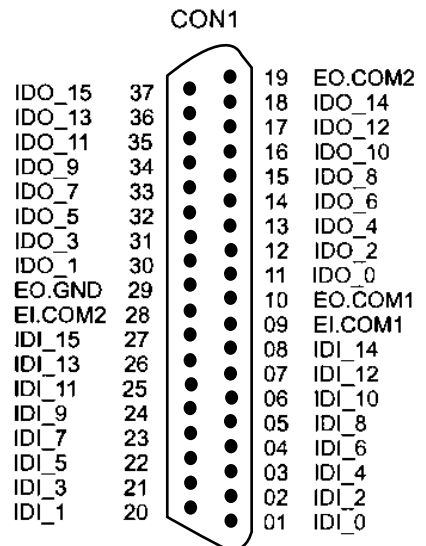
- DB-37: Directly connect signals to the back of PISO-730

- DN-37: I/O Connector block with DIN-Rail mounting and 37-pin D-Sub connector

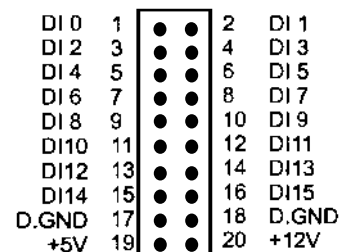
- PISO-DIO LabVIEW Development Toolkit for Win95

- PISO-DIO LabVIEW Development Toolkit for WinNT

Pin Assignment



CON2



CON3

