

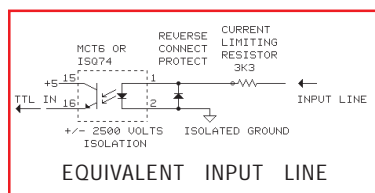
# PC OPTO DIO16

## DESCRIPTION

A half size card providing 8 input and 8 output high current, high voltage lines with  $\pm 2500$ Volts opto isolation.

The 16 i/o lines, with isolated ground and external power input lines, are accessible from the edge connector, a 50 way 'D' connector for greater shielding. Fast TTL buffers and opto isolators allow a maximum throughput of 150kHz. Each input line is current limited and reverse connection protected so ensuring long term use in an industrial environment. OPTO DIO16 requires an external power input to supply the isolated side of the opto circuit range 17.5 - 35Volts.

The 16 i/o lines, arranged as 2 eight bit port registers, occupy 2 i/o locations at base address in the range 200-3FF Hex, default=308H.



## SPECIFICATION

- Ports: 1 x 8 bit inputs  
1 x 8 bit outputs
- Opto Isolation:  $\pm 2500$ Volts
- PC Power: 800mA @ 5V
- Weight: 0.15kg
- Size: 10x18cm
- Ext power in: 17.5 - 35V  
24V Nominal
- Output drivers: UDN 2984

- Input level low: 0.0 - 2.4 Volts
- Input level high: 2.4 - 24.0
- Max Input: 35 Volts
- Max Currents:  
-one input high: 7.25mA @ 24V  
-all inputs high: 150mA

## FEATURES

- Each input reverse connection protected & current limited
- On board high duty suppression diodes & pull down resistors ensure long term industrial use
- Fast - 150kHz bandwidth
- Protects PC against wiring faults/accidental high Voltage

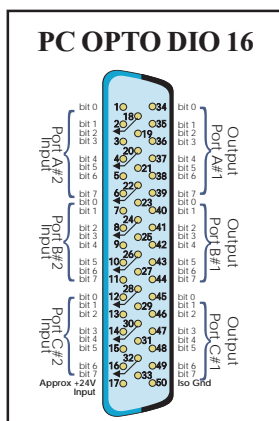
## SOFTWARE

Data Acquisition Device Driver CD contains documentation and sample code in various DOS and Windows languages e.g. Visual Basic, Visual C++, Turbo Pascal for Windows. The driver pack includes a fully interrupt driven device driver for Windows NT, 3.51 and NT 4.0 and a DLL pack for Windows 3.x, Windows 95 and 98 all with worked examples.

The CD includes a 200 page software guide and a 100 page hardware "Interfacing Guide" with debugged circuits fully explained.

## APPLICATIONS

Process control, sensing inputs, volt free contacts, product testing, noise free inputs, driving relays, solenoids, stepper motors, lamps, etc. Ideal for industrial environments



DESCRIPTION	ORDER CODE
PC OPTO DIO16D with Windows DLL	OP-577
DIO SCREW TERMINAL BOARD	DI-516
50D CABLE (Round shielded) 2m.	DI-824