

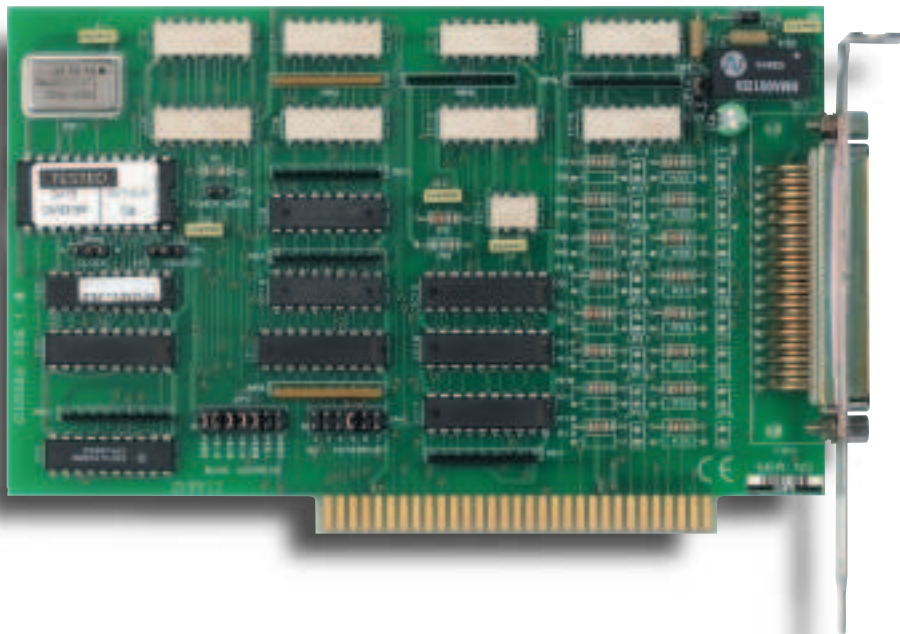
DIO-32d

32 Channel Opto-Isolated Digital Input/Output Card

The DIO-32d is a PC compatible short card which provides the user with 16 digital inputs and 16 digital outputs, all of which are opto-isolated from the host computer ground system.

The card features an isolated 24 volt supply, an on-board timer and user selectable base address, interrupt source and interrupt level.

The timer may be used as an interrupt source or as a general purpose timekeeping device.



- 16 digital input and 16 digital output channels
- Fully isolated to 5400V
- Link selectable interrupts
- 3 x 16 bit timers (82C54)
- 50 way D-type connector



DIO-32d

32 Channel Opto-Isolated Digital Input/Output Card

Technical Specification

Number of Input Channels: 16
Number of Output Channels: 16
Interrupt Signal Options: IRQ-2 to -7 inclusive

Input Characteristics

All inputs Opto-Isolated from Computer Ground
Isolation Voltage: 100 volts
Voltage Input Range: Min 3Volts
Max 24Volts
Input Load Current: 10ma @ 24v Input

Output Characteristics

All outputs are Opto-Isolated from Computer Ground
Isolation: 100 volts
Output Type: Open Collector
Voltage Limits for each output: Min. 3 volts
Max. 50 volts
Maximum Current Drive for each output: 500mA
Current mode = ± 12 volts (FS into 600R max.)
Maximum Total Load Power for each Block of 8 Outputs: 4.8 Watts

Timers

Number Of Timer Channels: 3
Timer 0 And 1 (On-board Clock Source):
Timer Resolution 1us
Min. Time Interval 1us
Max. Time Interval 65.535ms

Timer 2 (External Clock)

Minimum Resolution: 125ns
Min. Time Interval: 125ns
Max. Time Interval Limited: None

Addresses

Total Addresses Required: 8 (5 Read, 6 Write)
Bus: PC 8-bit ISA

Dimensions

	Board	Overall
Length	165	179
Height	107	127
Width	12	25

Options

- 50 way screw terminal adapter
- 1 metre cable with IDC and D type connector
- Windows® 3.1 DLL driver



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