

Blue Chip Technology



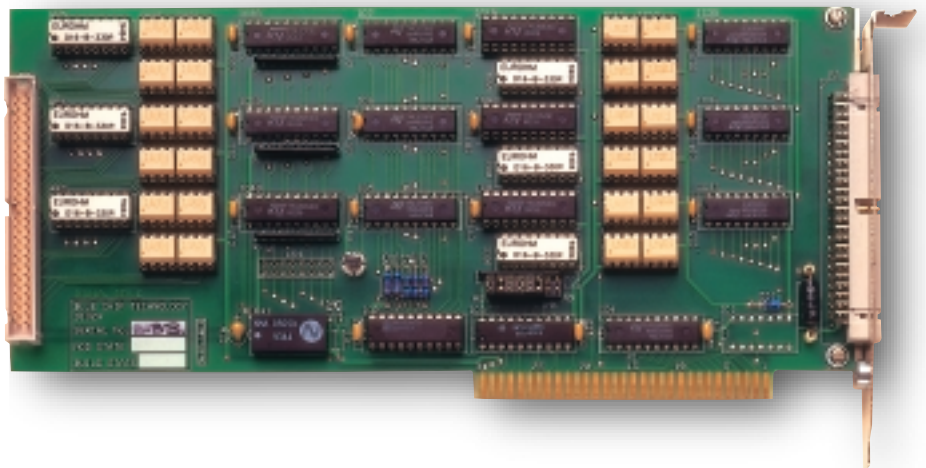
DATA

ACQUISITION CARDS

DIO-48

48 Channel Opto-isolated Digital Input/Output card

The DIO-48 provides 24 opto-isolated Darlington outputs. It is suitable for driving DC loads in the range 5-24V at currents of up to 400mA per channel subject to a limit of 2W per package (8 bits). An optional on board power inverter ensures complete isolation of the open collector output devices from the PC power supply, making the board suitable for driving lamps, stepper motors, relays and solenoids etc.



- 24 Opto-isolated digital input channels
- 24 Opto-isolated digital output channels
- Fullly isolated to 500V
- Input range from 5 to 24 Volts AC/DC
- Switches up to 24V DC
- Darlington drivers sink up to 400mA
- Optional on-board voltage sources
- Two 50 way IDC connectors
- Available with DLL for Window

Technical Specification

Input channels:	24 fully opto-isolated
Input voltage options:	5,12 & 24 Volts
Maximum input voltage	24V
Maximum input current:	10mA
Output channels:	24 Fully opto-isolated
Maximum load current:	400mA DC
Maximum port dissipation:	2W for each bank of 8 channels
Isolation voltage:	500 Volts
Power requirement:	5V DC @ 150mA typical
Height:	107mm
Width:	240mm
Connectors:	50 Way male IDC header

Options

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



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