PCI OPTO DIO48

DESCRIPTION

The PCI version of the Opto DIO 48 provides 24 input and 24 output high current, high voltage lines with ±2500V opto isolation.

The 48 i/o lines, with isolated ground and external power input lines, are accessible from the 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.

The Opto DIO 48 requires an external power input to supply the isolated side of the opto circuit, range 17.5-35V.

The 48 i/o lines, arranged as 6 eight bit port registers with one read/write watchdog register, occupy 8 i/o locations at a location determined by available system resources. Software enabled interrupts on input lines Port C#2 bits 0 and 3.
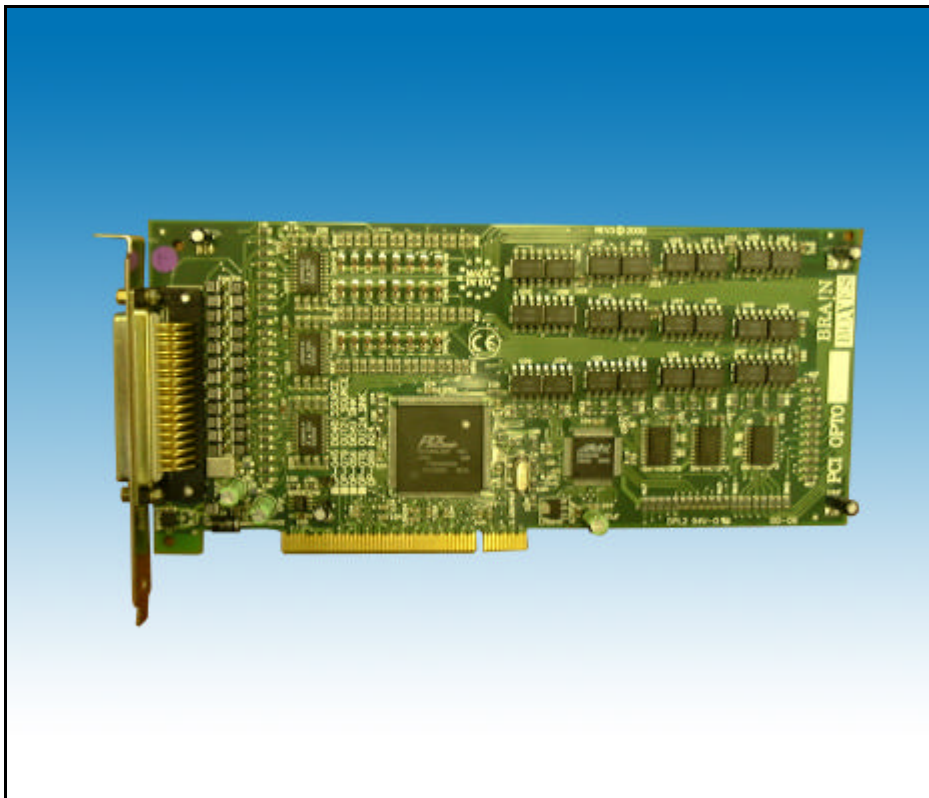
SOFTWARE

Supplied with Quanta 2000 device drivers and Active X control.

Active X controls allow easy data capture directly into any Active X enabled application. e.g. HPVEE, Labview, Microsoft Excel. Supplied complete with sample source code and online documentation.

WATCHDOG TIMER

The watchdog is a failsafe way to ensure the user's program is running correctly. On power up, the watchdog is disabled. If the user's program enables the watchdog, an interrupt or reset signal is generated when the watchdog times out. Reading the watchdog register refreshes the timer, postponing timeout for a programmable duration of between 25-1000ms. A watchdog output is available inside the PC, selectable active high/low or pulsed high/low.

FEATURES

- 24 Opto-isolated output channels.
- 24 Opto-isolated input channels.
- Each input reversed connection protected & current limited
- Fail safe Watchdog timer.
- Software enabled interrupts, rising or falling edge on any input line.
- PCI - fully Plug and Play. Auto configures

APPLICATION

- Process control
- Sensing inputs
- Driving relays, solenoids, stepper motors, lamps,
- Automotive industry

SPECIFICATION

- ±2500V optical isolation on all ports.
- External power supply voltage range: 17.5 - 35V
- output voltage:- 0 - 35V
- output current simultaneously on all output lines:- 50mA @ 35V
- Peak output current on any single line:- 500mA
- Max. input current on all lines :-175mA @ 24V
- Max. input current on any single line :- 7.25mA @24V

SOFTWARE

The Data Acquisition Device Driver CD contains software for the following operating systems: DOS, Windows 3.x, Windows 95 Windows 98 Windows NT3.51 Windows NT4, Windows 2000

ORDER

DESCRIPTION	CODE
PCI OPTO DIO48D	OP-045