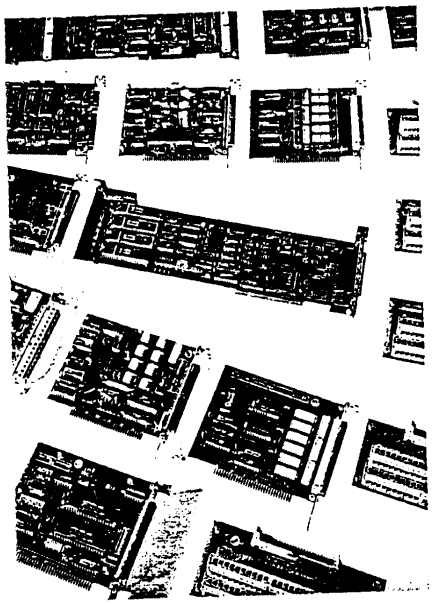
176-927

▶ Data Acquisition and Control Cards



Outputs may be driven by writing the appropriate bit pattern into the required output port. Input signals can be sensed by reading an input port.

Like all Blue Chip boards the PIO-48 conforms to the standard bus used by the IBM-PC/XT/AT and many compatible machines like the Amstrad.

- *Configurable under software control*
- *TTL interface*
- *IBM-PC/XT/AT, Model 30 or compatibles*
- *Short-card format*
- *50 Way ribbon cable connector*
- *Optional screw terminals*
- *Documentation and example programs.*

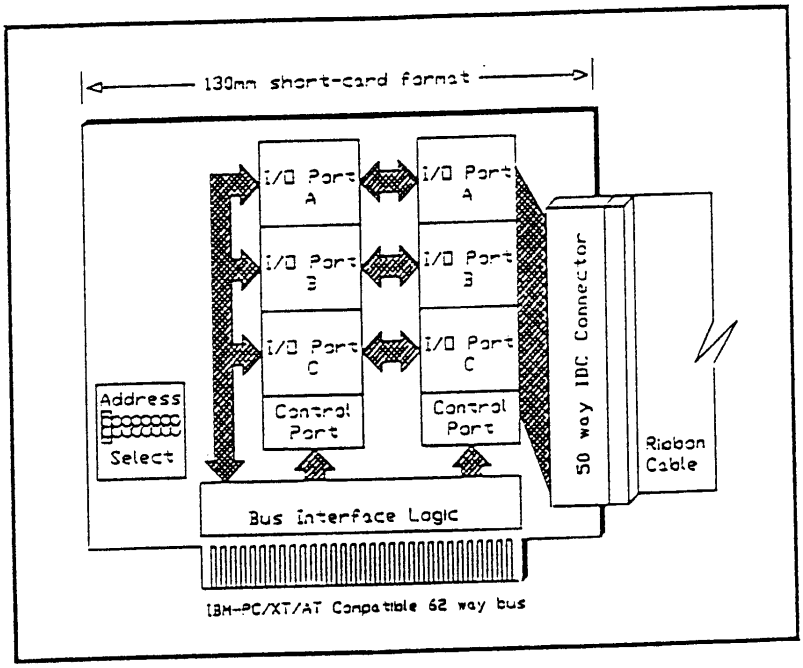
PIO-48

48 Channel Programmable Input/Output Card

The PIO-48 card has 48 digital lines which can be programmed to be inputs, outputs or a combination of both.

The board has been designed as a general purpose interface to most other digital devices such as switches, LED's and parallel ports. Signal levels in and out of the board are at TTL levels.

A pair of 24 channel programmable I/O chips are used (8255). Each of these devices appears as 4 ports. 3, 8 bit ports are for I/O whilst the last port defines the I/O configuration enabling various combinations of inputs and outputs to be selected.



A 50 way IDC connector terminates the 48 I/O lines and 2 common lines. A screw terminal block may be attached via this connector.

- *48 Channels. 6 x 8 bit ports*
- *Programmable as input or output*
- *Simple to program*

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