SCIENTIFIC ® SOLUTIONS

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BASEBOARD ® ISA

96 DIGITAL I/O BOARD

FEATURES

- 96 lines of TTL compatible Digital Input / Output
- I/O lines programmable in sets (ports) of 8
- Completely software configurable
    - Input, Output, Bi-directional
    - 2-wire or 4-wire handshaking, Interrupts
- Supports hardware Interrupts
- Device Drivers & LabPac® Function Library
- Various I/O Modules plug directly on the card:
    - Digital Opto Isolation, Analog In, Analog Out

OVERVIEW

The Scientific Solutions BaseBoard ISA provides flexible, programmable Digital Input / Output for the PC. 96 lines of TTL compatible Digital I/O (in four sets of 24 lines) are distributed on four 40-pin header connectors across one full size PC board. The BaseBoard has hardware interrupt capability with various hardware handshaking configurations.

Optional plug on modules enhance the BaseBoard by providing Opto Isolated Digital Input, Opto Isolated Digital Output, 16 channels of Analog Input and 16 channels of Analog Output. When used with the BaseBoard / ISA the modules attach directly to the PC card in the computer. The Opto Isolation modules allow 300v and 150ma DC signals.

A BaseBoard can accommodate from 1 to 4 add-on modules. You can add any combination of modules that you want (ADC, DAC, DIO).

The BaseBoard includes drivers and the LabPac library for easy and full support under DOS and Windows.

SPECIFICATIONS

- Number of Digital lines: 96
- Full 8255 Programmable modes
    - Mode 0 - Basic I/O
    - Mode 1 - Strobed I/O
    - Mode 2 - Strobed Bi-Directional
- Programmed I/O Data Transfer
- Logic Thresholds, TTL
    - 200uA source, 1.7ma sink
    - Optional Opto provides upto 300v and 150ma
- 4.2" high x 13" long (107mm x 330mm)
- Digital I/O connector, 40 pin header (0.1")
- Specification Temperature Range: -40 to +85 C
- Optional Plug in Modules
    - Optical Isolation Digital Modules
    - Analog In and Analog Out Modules

ORDERING INFORMATION

PN: 020025