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Digital488/32/OEM

Board-Level 32-Bit IEEE 488/Digital I/O Interface

MEASUREMENT COMPUTING

Features

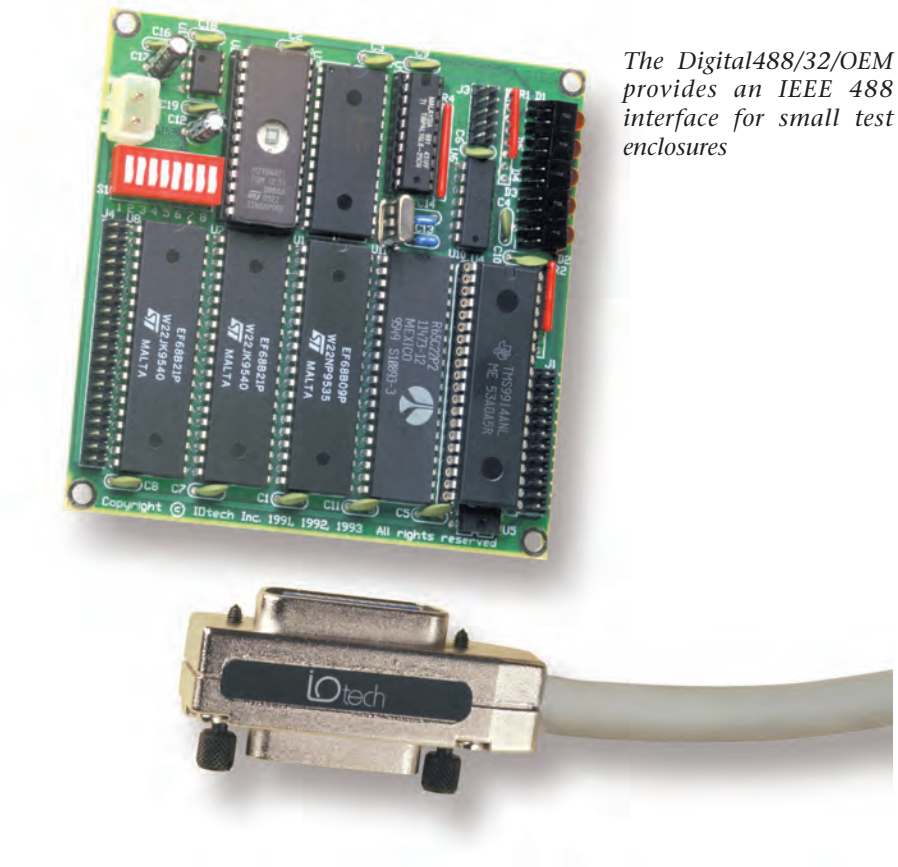
- **Interfaces custom 8- or 16-bit digital buses to IEEE 488**
- **Provides 32 TTL-level digital I/O lines**
- **Programmable as inputs or outputs**
- **Board size is only 4" x 4"**
- **Includes LEDs for IEEE 488 bus status**

The Digital488/32/OEM provides a compact, programmable interface between custom 8- or 16-bit buses and the IEEE 488 bus. Ideal for instruments and other enclosures where board size is limited, the Digital488/32/OEM board measures 4" x 4" and can be mounted in almost any location.

The unit's 32 digital I/O lines can be programmed as inputs or outputs in groups of 8 bits. Its microprocessor converts digital words into IEEE 488 compatible bytes, allowing the Digital488/32/OEM to communicate with a standard IEEE 488 controller.

Six handshake lines for clear, data strobe, external data ready, inhibit, trigger, and SRQ are included. On-board firmware includes a complete command set for enabling the board's functions.

The unit's command set is identical to that used in the Digital488 external box and is detailed in the comprehensive Digital488 programming manual shipped with each Digital488/32/OEM.



The Digital488/32/OEM provides an IEEE 488 interface for small test enclosures

Specifications

Power: Regulated +5 VDC, less than 1A
LEDs: Power, Talk, Listen, Error, SRQ
IEEE 488 Connector: 24-pin header accepts ribbon cable
IEEE 488 Interface Capabilities: SH1, AH1, T6, TE0, L4, LE0, SR1, PP0, RL0, DC1, DT1, C0, E1
IEEE 488 Controller: TI TMS9914ANL
Digital Connector: 40-pin header
Logic Levels: Outputs will drive 2 TTL loads
Environment: 0 to 50 °C; 0 to 95% RH, non-condensing
Dimensions: 114 mm W x 114 mm H (4" x 4")

Ordering Information

Description	Part No.
32-Bit IEEE 488/digital I/O OEM interface board, including power supply plug (power supply not included)	Digital488/32/OEM

Accessories & Cables

Ribbon cable with IEEE 488 connector, 1 ft. (included with purchase of Digital488/32/OEM)	CA-106

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