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Digital488™ & Digital232™

40-Bit IEEE 488 or RS-232/Digital I/O Interface

Features

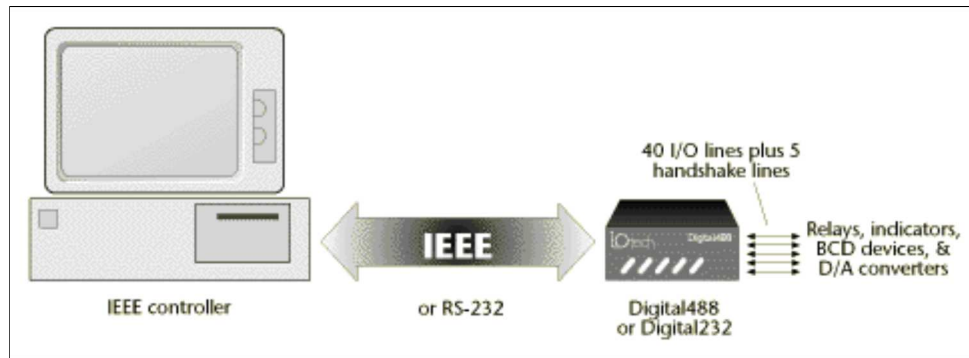
- Add TTL level digital input & output capability to IEEE 488 or RS-232 based systems
- Offer 40 I/O lines, software programmable as inputs or outputs in 8-bit groups
- Convert I/O data to one of five selectable formats & send it to the controller
- Provide five additional I/O lines, including trigger output, service request input, data latch input, clear output, & inhibit output
- Front-panel indicators provide bus status information
- OEM board-level version available

The Digital488 and Digital232 add TTL-level digital input and output capability to IEEE 488 or RS-232 based systems. The units provide complete digital I/O handshaking, including data latch input, service request input, new-data output, clear output, and a trigger output.



Digital488 provides an economical link between an IEEE controller and digital signals

Board-level OEM versions are available for use in enclosures with low voltage sources; optional power supplies are available. Call factory for further details and pricing.



Specifications

Digital I/O Interface

Digital I/O Capability: Forty I/O lines, programmable in groups of 8 as inputs or outputs; five additional lines for trigger, clear, data latch, service request, and inhibit

Logic Levels: Outputs will drive 2 TTL loads

I/O Port Connection: One 50-pin card edge

IEEE 488 Interface

Digital488

IEEE 488: SH1, AH1, T6, TE0, L4, LE0, SR1, PP0, RL0, DC1, DT1, C0, E1

Connector: Standard IEEE 488 connector with metric studs

Serial Interface

Digital232

All parameters are switch selectable

RS-232: EIA RS-232-C: AB, BA, BB, CA, CB

Data Bits: 7 or 8

Stop Bits: 1 or 2

Parity: Odd, even, mark, space, or none

Terminator: CR, LF, CR-LF, or LF-CR

Control: Supports Clear to Send (CTS)/ Request to Send (RTS) or XON/XOFF

Serial I/O Buffers: 7,000 characters

Serial Connector: Mates with a 25-pin Sub-D male; DCE configured

General

Indicators: Talk, Listen SRQ, Error, and Power

Power: 105 to 125 or 220 to 250 VAC; 50/60 Hz; 15 VA

Environment: 0° to 50°C; 0 to 70% RH non-condensing

Dimensions: 187 mm deep x 139 mm wide x 68 mm high (7.4" x 5.5" x 2.7")

Weight: 1.05 kg (2.32 lbs)

Controls: Power switch, IEEE address switch

Ordering Information

Description	Part No.
IEEE 488/digital I/O interface including mating digital I/O port connector	Digital488
RS232/digital I/O interface, including mating digital I/O port connector	Digital232
Board-level IEEE to digital I/O interface	Digital488/OEM
External power supply, 120 VAC to +5V	TR-5
External power supply, 240 VAC to +5V	TR-5E
I/O port cable with connector, 6 ft	CA-8-50
Shielded IEEE 488 cable, 6 ft	CA-7-3
PC to Digital232 serial cable, 6 ft	CA-11



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