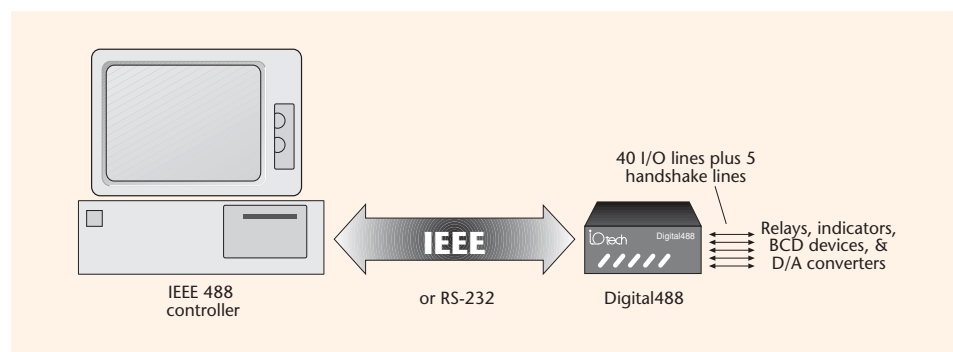# Digital488™
40-Bit IEEE 488 Interface

Features

- Add TTL-level digital input and output capability to IEEE 488 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 and send it to the controller
- Provide five additional I/O lines, including trigger output, service request input, data latch input, clear output, and inhibit output
- Front-panel indicators provide bus status information

The Digital488™ adds TTL-level digital input and output capability to IEEE 488 based systems. The unit provides 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 488 controller and digital signals

Specifications

Digital I/O Interface

Digital I/O Capability: 40 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

IEEE 488: SH1, AH1, T6, TE0, L4, LE0, SR1, PP0, RL0, DC1, DT1, C0, E1
Connector: Standard IEEE 488 connector with metric studs

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
Controls: Power switch, IEEE address switch
Dimensions: 139 mm W x 187 mm D x 68 mm H (5.5" x 7.4" x 2.7")
Weight: 1.05 kg (2.32 lbs)

Ordering Information

Description	Part No.
IEEE 488/digital I/O interface including mating digital I/O port connector, and power supply	Digital488

Cables

Shielded IEEE 488 cable, 6 ft.	CA-7-3
I/O port cable with connector, 6 ft.	CA-8-50

For complete information on accessories and cables, visit
www.iotech.com/acc

IEEE 488 Data Acquisition Instruments