# Micro488/p™
## Miniature Serial/IEEE 488 Controller

## Features

- **Smallest serial to IEEE 488 controller available**
- **Controls up to eight IEEE 488 instruments**
- **Programmed with concise ASCII commands**
- **Requires no external power supply—powered from the computer's serial port**
- **Features standard DB25 serial and IEEE 488 connectors**
- **Enables remote control of IEEE 488 instruments**
- **Easily connects to notebook PCs**

Not much larger than a standard IEEE 488 connector, the Micro488/p™ is the smallest serial to IEEE 488 controller on the market. Nonetheless, it features an on-board microcontroller, permitting it to interpret commands received on its serial port and to control as many as eight IEEE 488 instruments. Moreover, because the Micro488/p derives its power from the host computer's serial port, it requires no external power connection.

Because the Micro488/p's firmware converts commands received on its serial port into IEEE 488 protocol, it does not require that the host computer run special software. The host computer must simply have the ability to send and receive ASCII data via its serial port.

The Micro488/p attaches directly to the IEEE connector on the back of an instrument, eliminating the need for an additional IEEE cable. To control multiple instruments, you need only connect the instruments with standard IEEE cables and attach the Micro488/p to an open connector on any of the cables.

*The low-cost Micro488/p enables IEEE 488 control from any computer equipped with a serial port*



**Micro488/p System Example**

*PC — RS-232 — Micro488/p — IEEE 488 — Up to 8 IEEE instruments*

## Specifications

### Serial Interface

**Electrical Characteristics:** RS-232
**Duplex:** Full with echo/no-echo
**Data Bits:** 8-bit ASCII
**Stop Bits:** 1 or 2
**Parity:** none
**Baud Rates:** 300, 1200, 2400, 4800, 9600 and 19200, set automatically upon the receipt of a carriage return from the host computer
**Terminator:** On Transmit, software configurable as LF, CR, LF-CR, or CR-LF; On Receive, CR
**Handshaking:** Supports Clear To Send (CTS), Request To Send (RTS), and XON/XOFF, software configurable
**Serial I/O Buffers:** 120-character input buffer
**Connector:** Accepts 25-Pin Sub-D male (DB25P)

### IEEE 488 Interface

**Controller Subsets:** C1, C2, C3, C4, and C28
**Terminator:** Programmable for LF, CR, LF-CR, CR-LF, and EOI
**Connector:** Plugs directly into a standard IEEE 488 female receptacle, either directly on an instrument or on a cable
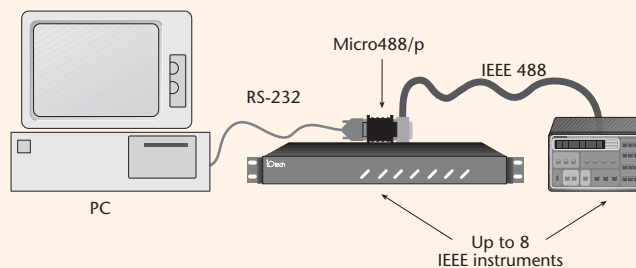
### General

**Power:** Draws less than 5 mA from the DTR or DSR serial lines on the host computer
**Environment:** 0˚ to 50˚C; 0 to 90% RH, non-condensing
**Dimensions:** 95 mm W x 58 mm D x 25 mm H (3.7" x 2.3" x 0.9")
**Weight:** 50.2 g (1.8 oz)



*The Micro488/p attaches directly to an instrument's IEEE 488 connector*

## Ordering Information

| Description | Part No. |
|---|---|
| Miniature RS-232 to IEEE controller | Micro488/p |
| Shielded IEEE 488 cable, 6 ft. | CA-7-3 |
| RS-232 cable, including adapter for 25- or 9-pin PC COM port, 6 ft. | CA-35-6 |

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