

# Digital I/O to Computer Interfaces

RS-232 or RS-485  
Compatible

H1700 Series

**\$275**

Basic Unit



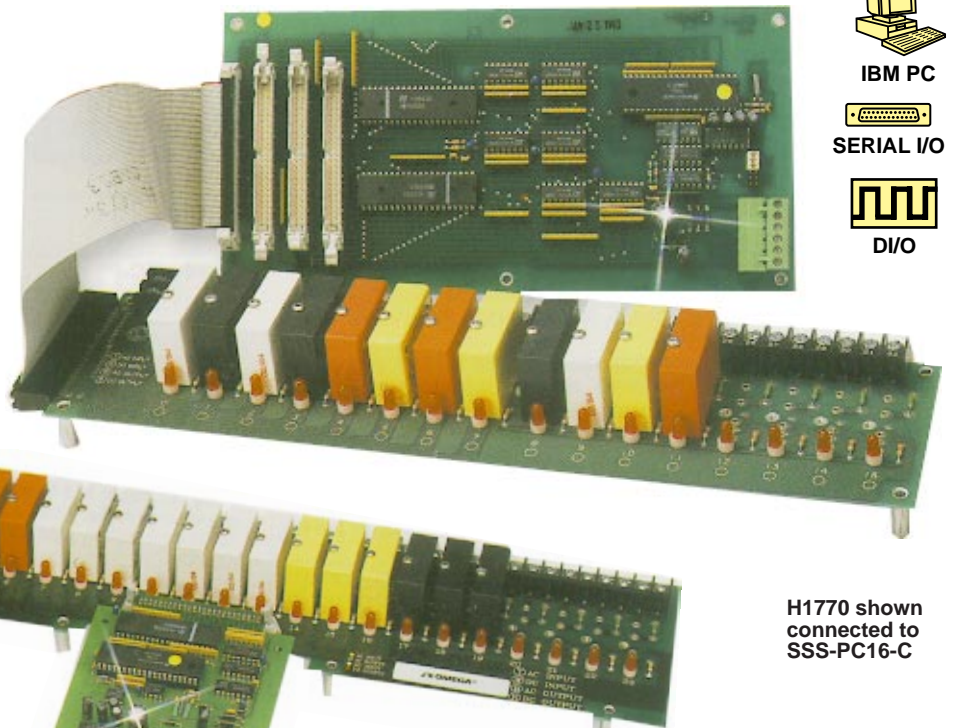
IBM PC



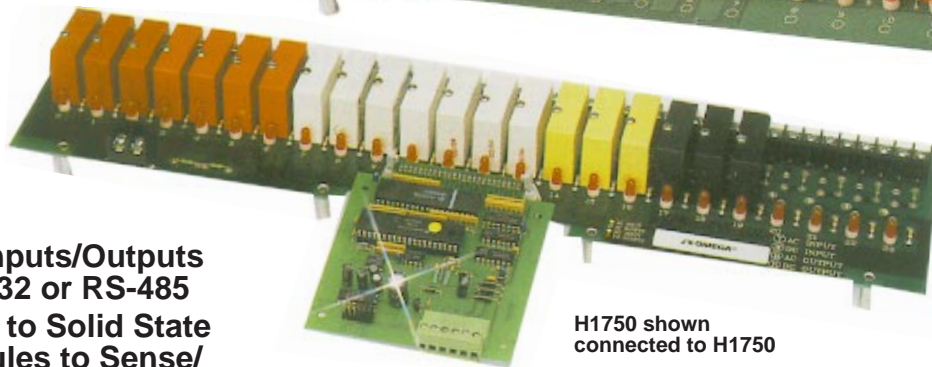
SERIAL I/O



D/I/O



H1770 shown  
connected to  
SSS-PC16-C



H1750 shown  
connected to H1750

- ✓ Digital Inputs/Outputs via RS-232 or RS-485
- ✓ Connect to Solid State I/O Modules to Sense/Control ac/dc Voltages
- ✓ Configure Each Bit Individually as Input/Output
- ✓ Control Digital I/O Singly or All at Once
- ✓ 24 and 64-Bit Versions
- ✓ Up to 24 Boards/7936 Channels on a Single RS-485 Line

The H1700 Series provides easy access to digital input and output signals through an RS-232 or RS-485 communications link. The H1750 provides 24 channels of digital I/O, while the H1770 has 64 channels. For interfacing to real-world signals, the H1700 Series is designed to work directly with OMEGA solid state I/O modules. Modules are available to sense ac or dc voltages, or to control ac or dc power lines.

The H1750 mounts directly to the OMEGA SSS-PC-24V, which accepts up to 24 I/O modules, while the H1770 connects to up to four SSS-PC16-C 16-channel backplanes.

**Specifications**  
**Channels:** H1750, 24 channels; H1770, 64 channels; user can define individual channels as either input or output  
**Input Voltage Level:** 0 to 10 V without damage  
**Input Switching Levels:** 3.5 V min high; 1.0 V max low  
**Outputs:** 0 to 10 V, 15 mA max load  
**Power Requirements:** +5 Vdc  $\pm 0.25$  V @ 30 mA max (not including I/O module requirements)  
**Communications:** ASCII format via RS-232/485 ports; 7 data bits, odd, even or none parity; all communications

setups stored in nonvolatile memory using EEPROM

**Baud Rates:** 300, 600, 1200, 2400, 4800, 9600, 19.2k, 38.4k

**Multidrop Capability:** up to 124 interfaces

**Dimensions:** 102 H x 117 mm W (4.0" x 4.6"), H1750; 127 H x 254 mm W (5.0" x 10.0"), H1770

**Operating Ambient:** -25 to 70°C (-13 to 158°F); 0 to 95% RH, non-condensing

**Storage Ambient:** -25 to 85°C (-13 to 185°F)

## To Order (Specify Model Number)

Model No.	Price	Description
H1750	\$275	24-channel digital I/O to RS-232/485 interface; mounts directly to SSS-PC-24V backplane
H1770	350	64-channel digital I/O to RS-232/485 interface; connect to up to four SSS-PC16-C backplanes; requires H1700-CA-1 cable
H1770-CA-1	100	Four cables to attach H1770 to four SSS-PC16-C backplanes
SSS-PC16-C*	100	16-channel digital I/O module backplane, for use with H1770; requires H1770-CA-1 cable
SSS-PC-24V*	160	24-channel digital I/O module backplane, for use with H1750

\*Backplanes require solid state I/O modules. See ACO5, DCI5, ACI5 or DCO5 for info

**Ordering Example:** H1770 64-channel digital I/O interface, H1770-CA-1 cable assembly and SSS-PC-24V digital I/O module backplane, \$350 + 100 + 160 = \$610.