Digital I/O to Computer Interfaces
RS232 or RS485 Compatible

H1700 Series

1 YEAR WARRANTY

SERIAL I/O

DI/O

H1770 shown connected to SSS-PC16-B

H1750 shown connected to SSS-PC-24V

✔ **Digital Inputs/Outputs via RS232 or RS485**

✔ **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 RS485 Line**

The H1700 Series provides easy access to digital input and output signals through an RS232 or RS485 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-B 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

Power Requirements: +5 Vdc ±0.25 V @ 30 mA max (not including I/O module requirements)

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

Multidrop Capability: Up to 124 interfaces

Outputs: 0 to 10 V, 15 mA max load

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

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)

OMEGACARE℠ Extended Warranty Program

OMEGACARE℠ extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE℠ covers parts, labor and equivalent loaners.

To Order	
Model No.	**Description**
H1750	24-channel digital I/O to RS232/485 interface; mounts directly to SSS-PC-24V backplane
H1770	64-channel digital I/O to RS232/485 interface; connect to up to four SSS PC16-B backplanes; requires H1700-CA-1 cable
H1770-CA-1	Four cables to attach H1770 to four SSS-PC16-B backplanes
SSS-PC16-B*	16-channel digital I/O module backplane, for use with H1770; requires H1770-CA-1 cable
SSS-PC-24V*	24-channel digital I/O module backplane, for use with H1750

*Backplanes require solid state I/O modules.
Each unit supplied with complete operator's manual.

Ordering Example: H1770 *64-channel digital I/O interface,* **H1770-CA-1** *cable assembly and SSS-PC16-B digital I/O module backplane.*