

# Serial Module for WinPLC and EBC Systems

## Serial Communications Module for WinPLCs & EBCs

H2-SERIO <---->



### Serial I/O module for WinPLCs

Add serial ports to your WinPLC system by simply plugging the H2-SERIO modules into the DL205 I/O base. This serial module is used exclusively with the WinPLC. The WinPLC communicates with the H2-SERIO module across the DL205 backplane.

### Up to ten serial ports on a WinPLC system

The WinPLC has one built-in serial port. You can add as many as nine additional serial ports for Think & Do Studio or Think & Do Live! applications requiring multiple serial devices, such as barcode scanners. Connect to just about any serial device that communicates ASCII protocol. The H2-SERIO can also serve as a Modbus RTU slave.

### Processing large amounts of serial data with a WinPLC

While the H2-SERIO module will support virtually any serial device, processing large amounts of serial data will increase the system response time. This is important to consider when using multiple H2-SERIO modules, especially in a WinPLC local base with an H2-ERM or H2-CTRIO.

H2-SERIO Specifications	
<b>Module Type</b>	Intelligent module for use with H2-WPLC** or PC/EBC system
<b># of Serial Ports per Module</b>	3
<b># of modules supported per WinPLC</b>	3
<b># of modules supported per EBC node</b>	3
<b>Protocols Supported</b>	Serial ASCII and Modbus RTU slave
<b>Connector</b>	RJ12 jack
<b>Power Consumption</b>	210 mA @ 5 VDC
<b>Operating Environment</b>	0 to 60°C (32°F to 140°F), 5% to 95% RH (non-condensing)
<b>Manufacturer</b>	Host Automation Products, L.L.C.

### Separate communications parameters for each port

Use Think & Do software packages to set baud rate, parity, data bits, and stop bits for each serial port. Choose from 300 baud to 57.6K baud communication speeds. Think & Do Studio or Think & Do Live! allows each port to be designated as a Modbus slave or a generic serial device. Each port on the H2-SERIO module is capable of full hardware handshaking.

### Easy serial communications

All Think & Do PC control software products include advanced string and array functions that make transmitting, receiving and manipulating serial data a snap.

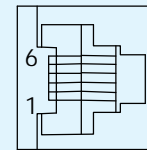
### Using H2-SERIO in a PC-based control EBC system

Think & Do Studio version 6.5 supports the use of up to three H2-SERIO modules per EBC node in a PC-based control system. The master must be a PC running Studio 6.5 or later. This does not apply to a WinPLC system with an ERM module used for remote I/O.

The Think & Do features listed on this page for the WinPLC (receiving and manipulating data) also apply to a PC running the Think & Do software.

### Pin Assignments for H2-SERIO ports

- 1 0V Power (-) Connection (GND)
- 2 CTS Clear to Send
- 3 RXD Receive Data (RS-232)
- 4 TXD Transmit Data (RS-232)
- 5 RTS Request to Send
- 6 0V Signal Ground (GND)



RJ12 (6P6C) Female Modular Connector

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- DL205 PLC**
- DL305 PLC
- DL405 PLC
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