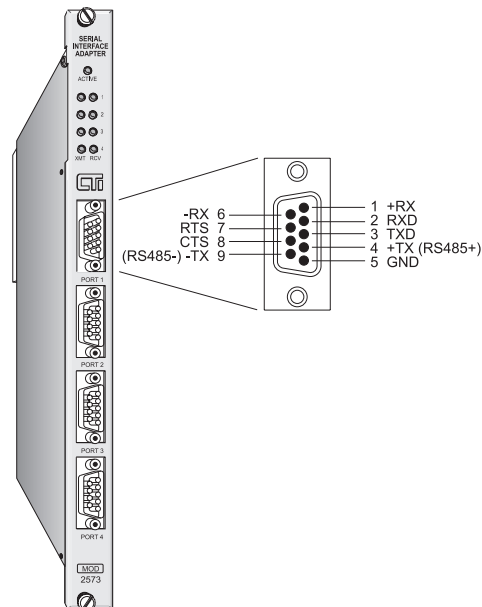


2573-MOD Serial Interface Adapter



Description

The CTI 2573-MOD Serial Interface Adapter is a microprocessor-based communications adapter for 505 controllers. The 2573-MOD provides support for communicating with plant floor devices such as modems, bar code readers, scales, displays, printers, and other PLCs. The module is especially suited for communicating with devices that use the Modbus Protocol.

The 2573-MOD provides four serial ports. Each port is independently configurable for electrical interface, communications parameters, and protocol support. Port electrical interfaces include RS-422-A, RS-485, and a subset of RS-232-C.

Each port can be individually configured for a specific protocol. The 2573-MOD protocols include Modbus ASCII, Modbus RTU, Siemens NITP (Non-Intelligent Terminal Protocol), CAMP (Common ASCII Message Protocol), and GAS (General ASCII Support). PLC logic can be used to control transmission of messages using the various protocols.

The 2573-MOD can function as a Modbus Master and/or Modbus Slave and supports both the RTU and ASCII message formats. **Modbus RTU can be used only on ports 1 and 3.** All ports not used by Modbus RTU can be configured for any of the other protocols supported by the module.

Features

- * Provides 4 serial ports, each providing RS-422, RS-485, and RS-232 electrical interfaces. All ports operate concurrently and independently.
- * PLC logic can be used to control sending of output messages and processing of input messages.
- * Enables the PLC to act as a master for devices which use Modbus RTU or ASCII Protocols.
- * Serves as a Modbus Slave for Modbus RTU or ASCII protocols.
- * Task Code Master Protocol allows the local PLC to access memory in other 505 or 500 series PLCs.
- * CAMP Protocol enhances performance when transferring data between two CTI 2573 modules.
- * Controls dial-up modems.

Hardware Specifications

Communications Ports:

- 4 ea. w/Male DB9 connectors:
 - RS-232-C interface w/RTS and CTS
 - RS-422-A and RS-485 electrical interfaces
 - 1500 VDC isolation - channel to PLC

Communications Parameters:

- Baud Rates: 300-19,200 baud
- Data Bits: 7 or 8. Stop Bits: 1 or 2.
- Parity: Even, Odd, None
- Handshake: Hardware, Software, None

Diagnostic LEDs:

- Module Status (1), Transmit (1 per port), Receive (1 per port)

Module Size:

- Single-wide Siemens SIMATIC 505 I/O

Backplane Power Consumption:

- 6.00 Watts @ 5 VDC

Environmental:

- Operating Temperature: 0° to 60°C (32° to 140°F)
- Storage Temperature: -40° to 85°C (-40° to 185°F)
- Humidity: 5% to 95% (non-condensing)

Agency Approvals:

- UL, UL for Canada, FM (Class I, Div 2), CE

Shipping Weight:

- 2 lbs.