

2573-MOD / TCM2 Serial Interface Adapter with Modbus



Description

The CTI 2573-MOD Serial Interface Adapter is a microprocessor-based communications adapter for CTI 2500 Series and Simatic® 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, 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 CTI 2500 Series or Simatic® 505 PLCs.
- CAMP Protocol enhances performance when transferring data between two CTI 2573 modules.
- Controls dial-up modems.

Specifications

Communications Ports: 4 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, Transmit & Receive per port

Module Size: Single-wide

Backplane Power Consumption: 6.0W

Shipping Weight: 2 lbs.



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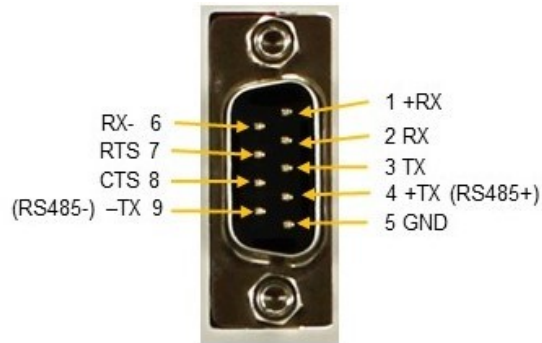
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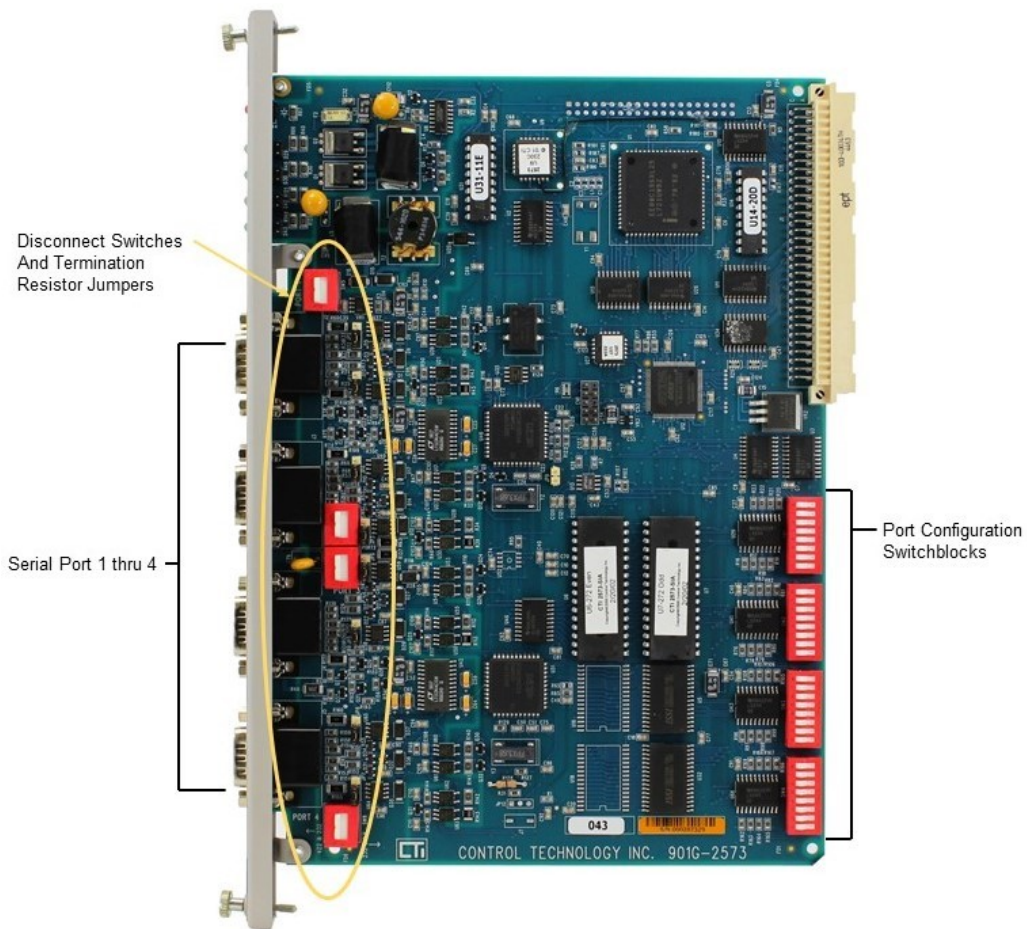
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2573-MOD Serial Port Pinout



2573-MOD Switch and Jumper Locations
 See User Guide for information on module configuration.