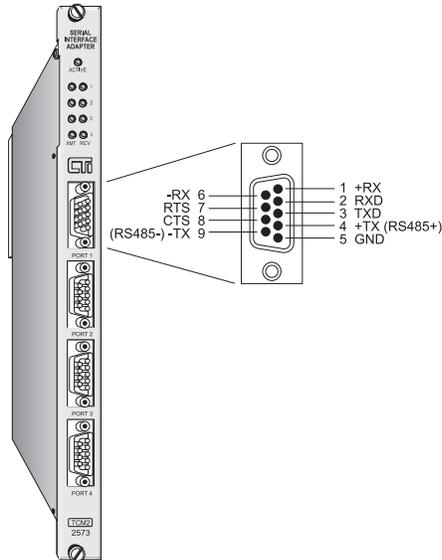


## 2573-TCM2 Serial Interface Adapter



### Description

The CTI 2573-TCM2 Serial Interface Adapter is a microprocessor-based communications adapter for 505 controllers. The 2573-TCM2 provides support for communicating with plant floor devices such as modems, bar code readers, scales, displays, printers, and other PLCs.

The 2573-TCM2 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.

The 2573-TCM2 can generate output messages containing data from the PLC under control of PLC logic. The module can also process input messages, storing data from the message in PLC memory.

The 2573-TCM2 includes protocol support for Task Code Master/Slave using the Siemens NITP (Non-Intelligent Terminal Protocol) and CAMP (Common ASCII Message Protocol) master/slave. In addition, the module offers a General ASCII Support (GAS) protocol manager which can be tailored to support a wide range of custom ASCII protocols, including Modbus ASCII format.

### 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.
- \* Task Code Master support allows the local PLC to access memory in other 505 or 500 series PLCs.
- \* CAMP support enhances performance when transferring between two CTI communications adapters.
- \* GAS protocol manager can be tailored to support custom ASCII protocols.
- \* 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.