

2572-B Fast Ethernet TCP/IP Adapter

Classic



Description

The 2572-B Ethernet TCP/IP Adapter is a high-performance version of the CTI 2572 Ethernet module. Because it supports the same PLC logic commands and network protocols, it can be used as a direct replacement for the CTI 2572-A in all applications except where DHCP addressing is used, and can also be used as a direct replacement for CTI 2572 and Siemens® 505-CP2572 in most applications.

The CTI 2572-B provides network services to CTI 2500 Series® and Simatic®/TI 505 PLCs. Using the TCP/IP protocol, suitably configured network stations can acquire data from the PLC, send data and programs to the PLC, and exercise supervisory control over the PLC operation. In addition, the PLC can use the CTI 2572-B to access data in other PLC systems equipped with

a CTI 2572-B, 2572-A, 2572 or 505-CP2572 modules.

The CTI 2572-B module directly attaches to Ethernet twisted pair cabling via the Ethernet CAT5e connector (RJ-45) and can be used with either 10Mb or 100Mb data links (half or full duplex operation). The module automatically detects network speed and duplex mode and configures its port accordingly. The firmware includes a full function TCP/IP stack that supports both TCP and UDP protocols.

The module provides extensive diagnostic facilities, accessible via a standard web browser, to aid in the detection and correction of network problems. A web browser can also be used to configure the module. Configuration changes are secured by password protection and can be disabled entirely via module switch settings.

Features

- Direct replacement for 2572-A
- New IP address display on front panel
- No serial connection required to set IP address
- DHCP address switches removed from front panel (contact CTI if your application uses DHCP)
- Provides a substantial increase in transaction processing capability compared to 2572
- Supports 10Mb and 100Mb Ethernet
- Does not require special configuration software and cables
- Offers enhanced browser-base diagnostic facilities to help in troubleshooting
- Incorporates flash memory technology to facilitate firmware upgrades in the field using a web browser
- Compatible with 2572 and 505-CP2572 PLC logic interface
- Fully compatible with 2572-DDS2 and 2572-OPC I/O servers



Specifications

Module Size: Single Wide

Ethernet Port:

Speed autosensing.
RJ-45 style connector.
Accepts shielded twisted and unshielded twisted pair cabling.

Diagnostic LEDs:

Module status
Network status
Activity
Link status
Full duplex
100 Mb operation

Backplane Power: 2.5 watts

Operating Temperature

0°-60°C (32° to 140°F)

Storage Temp

-40° to 85°C (-40° to 185° F)

Relative Humidity

5% to 95% (non-condensing)

Agency Approvals:

UL, UL-C, CE (pending)
Class 1 Div 2 (pending)

Shipping Weight

1.5 lb. (0.68 Kg)

Comparing Ethernet Solutions

Feature	CTI 2572	505-CP1434	CTI 2572-A	CTI 2572-B
<i>Supports 100Mbit Ethernet</i>	no	no	yes	yes
<i>Requires special configuration software and cable</i>	no	yes	no	no
<i>Configurable from PLC</i>	yes	no	yes	yes
<i>Connection to S7</i>	yes	yes	no	no
<i>Connection to Modbus-TCP</i>	no	no	yes	yes
<i>Ethernet-IP (communicate to ControlLogix®)</i>	no	no	yes	yes
<i>Multicast</i>	yes	no	yes	yes
<i>Email</i>	yes	yes	no	no
<i>Communicates with CTI OPC/DDE servers</i>	yes	yes	yes	yes
<i>Automatic IP addressing using DHCP</i>	no	no	yes	no
<i>PLC logic compatible with 2572 and 505-CP2572</i>	yes	no	yes	yes
<i>Webserver access for configuration and diagnostics</i>	no	no	yes	yes
<i>Power</i>	6W	22W	2.5W	2.5W