

# 2500C-2572-B Compact Fast Ethernet TCP/IP Adapter

Compact



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. The ability to make configuration changes can be disabled entirely via module switch settings.

## Features

- IP address display on front panel
- No serial connection required to set IP address
- 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, 2572-A and 505-CP2572 PLC logic interface
- Fully compatible with 2572-DDS2 and 2572-OPC I/O servers

## Description

The 2500C-2572-B Fast Ethernet TCP/IP Adapter is a Compact version of the Classic 2572-B Fast Ethernet TCP/IP Ethernet Adapter.

The 2500C-2572-B provides network services to CTI 2500 Series<sup>®</sup> Compact 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 2572-B to access data in other PLC systems equipped with a CTI 2572-B, 2572-A, 2572 or 505-CP2572 modules.

The 2500C-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

## 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 / 2500C-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</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