

2572-A Fast Ethernet TCP/IP Module



Description

The 2572-A Ethernet TCP/IP module 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 505-CP2572 and CTI 2572 modules in most applications.

The CTI 2572-A provides network services to 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-A to access data in other PLC systems equipped with a CTI 2572, CTI 2572-A, or 505-CP2572 modules.

The CTI 2572-A 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.

Despite the substantial processing power incorporated into the module, the highly integrated chip technology uses significantly less power than the 2572 module and still fits in a single slot rack space.

Features

- Provides a substantial increase in transaction processing capability
- Supports 10Mb and 100Mb Ethernet
- Does not require special configuration software and cables
- Allows web browser access to diagnostic and configuration functions
- Offers enhanced diagnostic facilities to aid in troubleshooting
- Includes optional support for DHCP, using Module ID switches to assign IP parameters
- Incorporates flash memory technology to facilitate firmware upgrades in the field
- Compatible with 2572 and 505-CP2572 PLC logic interface
- Fully compatible with 2572-DDS2 and 2572-OPC I/O servers



Control Technology Inc.

5734 Middlebrook Pike, Knoxville, TN 37921-5962

Phone: 865/584-0440 Fax: 865/584-5720 www.controltechnology.com

Specifications

Ethernet Port:

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

Diagnostic LEDs:

Module status
Network status
Collision
Link status
100 Mb operation
Full duplex
Transmit data
Receive data

Backplane power: 2.5 watts

Module Size: Single wide

Operating Temperature:

0° to 60°C (32° to 140°F)

Storage Temperature:

-40° to 85°C (-40° to 185°F)

Relative Humidity:

5% to 95% (non-condensing)

Agency Approvals:

UL, UL-Canada

Agency Approvals Pending:

Class 1 - Div. 2

Shipping Weight: 1.5 lb. (0.68 Kg)

Comparing Ethernet Solutions

FEATURE	CTI 2572	505-CP1434	CTI 2572-A
<i>Supports 100 Mb ethernet</i>			yes
<i>Requires special configuration software and cable</i>		yes	
<i>Configurable from PLC</i>	yes		yes
<i>Connection to S7</i>	yes	yes	
<i>Connection to Modbus TCP</i>			yes
<i>Connection to Allen-Bradley</i>			yes
<i>Multicast</i>	yes		yes
<i>Email</i>	yes	yes	
<i>OPC and DDE support</i>	yes	yes	yes
<i>Automatic IP addressing using DHCP</i>			yes
<i>PLC logic compatible with 2572 and 505-CP2572</i>	yes		yes
<i>Webserver access for configuration and diagnostics</i>			yes
<i>Power</i>	6W	22W	2.5W