2572-AF
Fast Ethernet TCP/IP Module
with Built-In Fiber-Optic Interface

The CTI 2572-AF module directly attaches to fiber-optic multimode cabling via the Ethernet MTRJ modular connector. The MTRJ fiber port is a 100BaseFX port operating at 100Mb/sec.

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.

Description

The 2572-AF Fast Ethernet TCP/IP module is a high performance fiber-optic ethernet interface adapter for the 505 PLC. Identical to the CTI 2572-A, except for the substitution of the MTRJ fiber interface for the RJ45 interface, the 2572-AF supports the same PLC logic commands and network protocols.

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

Features

- Provides a substantial increase in transaction processing capability compared to the 2572
- Supports direct 100Mb fiber Ethernet using MTRJ
- 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, 505-CP2572, and 2572-A PLC logic interface
- Fully compatible with 2572-DDS2 and 2572-OPC I/O servers

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Specifications

Ethernet Port:
100BaseFX port
MTRJ style connector
Accepts multimode fiber 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:
UL, UL-C, CE

Shipping Weight: 1.5 lb. (0.68 Kg)

Optical Specifications

Optical Output Power:
-15.7 dbm typical (62.5/125 um, NA=0.275 fiber)
-20.3 dbm typical (50/125 um, NA=0.200 fiber)

Optical Input Power:
-33.5 dbm typical (at window edge)
--34.5 dbm typical (at eye center
-11.8 dbm maximim

Center Wavelength: 1308 nm typical

Maximum fiber length: 2km