

FCM-MTCP

Field Communication Module with Modbus/TCP slave



Model: FCM-MTCP

Features

- Modbus/TCP slave
- Hot-swappable
- Allow 4 connection access simultaneously
- RoHS compliance
- 1000 Vdc isolation
- Redundancy

Introduction

The FCP-MTCP is a communication module for the iDCS-8000 system. It supports Modbus/TCP slave, most well-known industrial protocol, for the PLCs or controllers which support Modbus/TCP master. This module also offers LED to indicate system diagnostic and Ethernet connection status locally. Besides, two rotary switches are provided to instant configure ID (IP address) for other FCM-MTCP. Moreover, the module offers 1000 VDC isolation between channels and backplane bus. If any high voltage or current damages the channels, the system (backplanes, other modules, and control unit) won't be affected because the benefit of isolation.

Applications

- Building Automation
- Factory Automation
- Machine Automation
- Remote Maintenance
- Remote Diagnosis
- Testing Equipment

Specifications

Feature	
Redundant	Yes (Two Modbus/TCP slave with two different IP address)
Ethernet link broken detection	Yes
64-bit hardware serial number	Yes
Watchdog timer	Yes
LED indicator	1 RUN, 1 HF, 1 LF, 1 Link, 1 Act
Hardware	
CPU	80186 or compatible (16-bit, 80MHz)
SRAM	512 Kbytes
Flash	512 Kbytes, 100,000 erase/write cycles
EEPROM	16 Kbytes, 1,000,000 erase/write cycles
Communication Interface	
RJ-45 port	10/100Base-T(X), Auto negotiating, Auto MDI/MDI-X
IP address	Configurable through two rotary switches
Protocol	Modbus/TCP slave (Allow 4 connection access simultaneously)
Certification	
EMC	EN61000-6-2, EN61000-6-4 IEC/EN 61000-4-2, IEC/EN 61000-4-4

General	
Maximum power consumption	2.1 W @ 24 Vdc
Operating temperature	-25 °C ~ +75 °C
Humidity	5 ~ 95 % RH, Non-condensing
Weight	300 g
Dimensions (W x L x H)	30mm x 85mm x 115mm

Ordering Information

FCM-MTCP CR	Field Communication Module with Modbus/TCP slave (Gray Cover)(RoHS)
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Accessories

4SIPP-801W-CAG	Blank I/O module
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