ICP222-2F-2CI

2-port CAN-Bus to 2-port 100Base-FX

Industrial Ethernet CAN Device Server

Features

- Support IEEE802.3, IEEE802.3u, IEEE802.3x
- Support 2 100Base-FX fiber ports
- SW-Ring ring network patent technology (Fault recovery time<20ms)
- Support 2 CAN-Bus ports, 2KVAC isolation protection
- Support TCP Server, TCP Client and UDP working mode
- Support ARP, ICMP, UDP, TCP, IP, HTTP, DHCP, SW-Ring and DNS protocol
- Support CAN-Bus baud rate 5K~1000Kbps
- Support WEB and CLI configuration
- Support configuration file up and download
- Support across gateway, router communication
- Support static and dynamic IP access
- Support the heartbeat time and disconnect timeout function
- Support the automatic recovery function in the network connection is disconnected
- Support DC power supply (12~48VDC)
- Industrial grade 4 design, -40~75℃ work temperature
- IP40 protection grade, DIN-Rail mounting

Introduction

ICP222-2F-2CI is an industrial grade CAN-Bus server which supports 2 CAN-Bus ports and 2 Fast Ethernet fiber ports. The optic fiber support SW-Ring ring network patent technology. The user can easily complete the interconnection of CAN-Bus network and Ethernet network, to further expand the scope of CAN-Bus network. The CAN-Bus port communication rate 5K~1000Kbps has three operating modes of the TCP Server, TCP Client and UDP, support the most three connection, support across gateway, router communication, is convenient for user to visit the IP address or domain name and other functions. The host through the network centralized management, simple and convenient. It can be widely used in PLC control and management, building automation, healthcare automation system, the measurement instrument and dynamic environment monitoring system.

Specification

Ethernet

Standard: 100Base-FX

Optic fiber port number: 2

Speed: 100M

Protocol: ARP, ICMP, UDP, TCP, IP, HTTP, DHCP, DNS

Working mode: TCP Server, TCP Client, UDP

Transfer distance: support single mode (20/40/60/80Km optional), multi mode (2Km), wavelength: 1310nm, 1550nm

Connector: SC/ST/FC connector

SW-Ring: Support Single, Couple, Chain, Dual homing

Console port: RS-232 (RJ45 connector)

CAN-Bus

Standard: CAN2.0A, CAN2.0B

CAN-Bus port number: 2

CAN-Bus signal: CAN-L, CAN-H

Band rate: 5K ~ 1Mbps

Working mode: 2 wires, half duplex

Transfer distance: 40m~10Km

Load capacity: support 110 concurrent

Transfer distance

Twisted cable: 100M (standard CAT5/CAT5e cable)

Multi-mode: 1310nm, 2Km

Single-mode: 1310nm, 20/40/60Km

1550nm, 80/100/120Km

LED indicator

Run indicator: RUN

Power supply indicator: PWR

CAN-Bus port indicator: CAN (1~2)

Interface indicator: LINK (1~2)

Power supply

Input Voltage: 12 ~ 48VDC

Type of input: 3 bits terminal block

Consumption

No-load consumption: 2.88W@12VDC

Full-load consumption: 3.07W@12VDC

Working environment

Working temperature: -40～75℃

Storage temperature: -40～85℃

Relative Humidity: 5%~95 %(no condensation)

Mechanical Structure

Shell: IP40 protect grade, metal shell

Installation: DIN-Rail mounting

Weight: 374g

Size (W×H×D): 35mm×110mm×95mm

Industry Standard

EMI: FCC Part 15, CISPR (EN55022) class A

EMS: EN61000-4-2 (ESD), Level 3

EN61000-4-4 (EFT), Level 4

EN61000-4-5 (Surge), Level 3

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

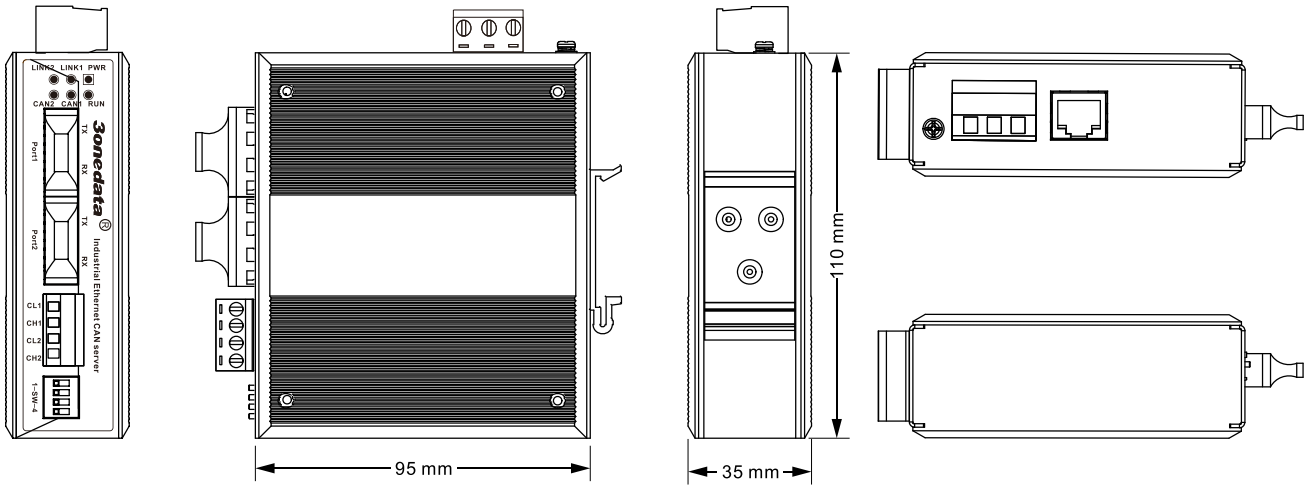
Vibration: IEC 60068-2-6

Certification

CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Dimension



Packing List

1. Industrial Ethernet CAN Device Server (plus terminal block) ×1
2. User manual x 1
3. Documentation and software CD x 1
4. Certificate of quality x 1
5. Warranty card x 1
6. DIN-Rail mounting kit x 1