3onedata
Make network communication more reliable

ICP222-2F-2CI

DIN-Rail Mounting
2-CAN Server

- Support 2 CAN ports to 2 100M Ethernet fiber ports
- Adopt SW-Ring ring network patent technology and support single ring function. Automatic recovery time from network failure is <20ms
- Support multiple operating modes like TCP Server, TCP Client, UDP and TCP Auto
- Support 5K~1000Kbps arbitrary baud rate
- Support 12~48VDC wide voltage input
- Support -40～75℃ wide operating temperature range

Introduction

ICP222-2F-2CI is a CAN server that has integrated 2 CAN ports and 2 Ethernet ports internally. It can implement interconnection between CAN-Bus network and Ethernet network easily to further extend the communication range of CAN-Bus network. It supports 2 CAN to 2 100M Ethernet fiber port and adopts DIN-Rail mounting which can meet the requirements of different scenes.

CAN server supports various network protocols, such as TCP, UDP, TELNET, SW-Ring, ARP, ICMP, HTTP, DNS and DHCP protocol. It also possesses complete management functions, including Access Control, Rapid Configuration, Online Upgrading and so on. Each CAN supports 4 TCP or UDP session connections and multiple operating modes like TCP Server, TCP Client, UDP and TCP Auto. Moreover, it supports WEB, TELNET, and other access modes. It can provide users with good experience via friendly design of network management system interface, simple and convenient operation.

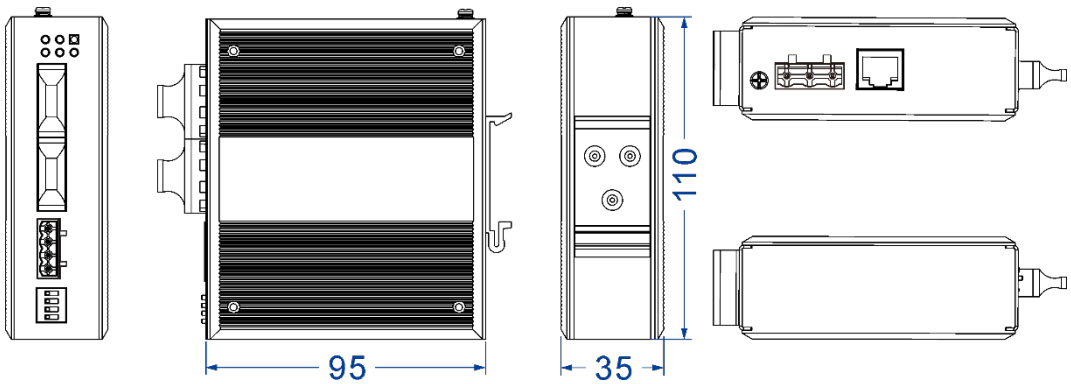
DIP switch could implement restoring factory setting and accessing terminal resistor. Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. It can be widely used in PLC control and management, building automation, healthcare automation system, measuring instrument and environment monitoring system, etc.

Features and Benefits

- Support 2 100Base-FX Ethernet fiber ports
- Support 5kbps~1000kbps line-speed non-blocking communication
- Support multiple operating modes like TCP Server, TCP Client, UDP and TCP Auto
- SW-Ring could implement network redundancy and prevent network storm
- Support cross-gateway and cross-router communication
- Support time setting for heartbeat and overtime disconnection, which can disconnect idle TCP automatically
- Support CAN port status and parameter monitoring, making communication state clear to be seen
- Support automatic reconnection from network interrupts to establish reliable TCP connection
- Flexible CAN data framing setting can meet user's various needs in data partition
- TCP support multi-connection, which enables up to 4 users to monitor and manage CAN device simultaneously
- Stand-alone or multi-device communication is supported in UDP mode, which enables multiple users to monitor or manage CAN device simultaneously
- Support multiple configuration forms like Windows configuration tool, TELNET and WEB

Dimension

Unit:mm



Specification

Ethernet	Standard: IEEE 802.3u for 100Base-FX Protocol: TCP, UDP, ARP, HTTP, SW-Ring, TELNET, ICMP, DHCP, DNS Port quantity: 2 Ring network configuration: single ring Transmission speed: 100M Interface form: SC/ST/FC Duplex mode: full duplex Transmission distance: ● multimode: 2km ● single mode: 20/40/60/80/100/120km Transmission wavelength: ● multimode: 1310nm ● single mode: 1310nm or 1550nm Operating mode: 4 sessions, support operating modes like TCP Server, TCP Client, UDP, TCP Auto, advanced TCP Server and advanced UDP
CAN Interface	Standard: CAN2.0A, CAN2.0B Interface quantity: 2 CAN ports CAN signal: CANH, CANL Duplex mode: 2-wire Half Duplex Mode Baud rate: 2.5kbps-1000kbps

	Load capacity: support concurrent transmitting of 110 nodes Transmission distance: 40m~10km Interface form: adopt 4-pin 5.08mm pitch terminal blocks Terminating resistor: optional external 120Ω terminating resistor Interface protection: 2kVAC isolation protection
Console Port	CLI command line management port (RS-232), RJ45
Configuration Method	WEB configuration management, TELNET configuration, Windows configuration tool
Redundancy Technology	SW-Ring
LED Indicator	Power supply indicator, running indicator, Ethernet fiber port indicator, CAN port indicator
Power Requirement	12~48VDC 3-pin 7.62mm pitch terminal blocks Support non-polar connection
Power Consumption	No-load: 2.81W@24VDC Full-load: 3.00W@24VDC
Environmental Limit	Operating temperature: -40~75℃ Storage temperature:-40~85℃ Relative humidity: 5% ~ 95%(no condensation)
Physical Characteristic	Housing: IP40 protection, metal Installation: DIN-Rail mounting Dimension (W x H x D): 35mm×110mm×95mm Weight: 374g
Industrial Standard	IEC 61000-4-2 (ESD, electrostatic discharge), Level 3 ● Air discharge: ±8kV ● Contact discharge: ±6kV IEC 61000-4-4 (EFT, electrical fast transient), Level 4 ● Power supply: ±4kV IEC 61000-4-5 (Surge), Level 3 ● Power supply: common mode±2kV, differential mode±1kV ● CAN port: common mode±2kV, differential mode±1kV Shock: IEC 60068-2-27

	Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	3 years

Ordering Information

Available Models	100M Fiber Port	CAN	Power Supply
ICP222-2F-2CI	2	2	12~48VDC

Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Song Bai Road, Nanshan District, Shenzhen, 518108, China
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Please scan our QR code for more details

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