

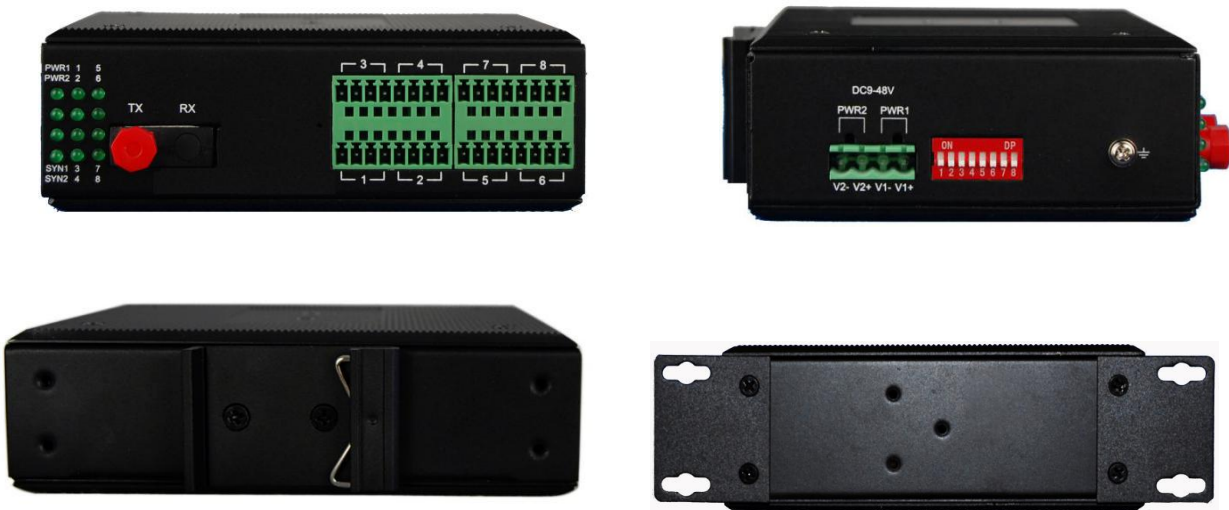


Industrial 1-2 channel CAN-bus fiber modem

Overview

The CAN optical fiber cat can convert the CAN bus signal into an optical signal and transmit it on the optical fiber, which has the effect of extending the communication distance of the CAN bus. At the same time, the use of optical fiber communication solves the problems of electromagnetic interference, ground ring interference and lightning damage. It greatly improves the reliability, security and confidentiality of data communication, and can be widely used in various industrial control, process control, and traffic control occasions. It is especially suitable for banks, electric power, and departments and systems that have special requirements for electromagnetic interference environments.

Product Photo



Features

- Integrated circuits based on independent intellectual property rights;
- Provide 1-2 CAN bus interfaces and 1 optical port;
- CAN data is fully transparent, baud rate is self-adaptive, no setting is required
- CAN interface maximum number of nodes 128; CAN interface maximum rate 0-1Mbps;



- The CAN interface speed complies with the international CAN1.0 and CAN2.0 standards;
- Support wide range AC / DC input, support internal isolation, redundant dual power input, power supply support overload protection, anti-reverse protection
- Meet the requirements of industrial level IV electromagnetic compatibility;
- Super lightning protection function: anti-lightning, anti-induction high voltage, anti-surge, etc .;
- Fanless heat dissipation, reducing repair time;
- IP40 enclosure protection level, can withstand the test of harsh environment;
- Rail or wall mounting;
- Wide temperature type: working temperature $-40\text{ }^{\circ}\text{C} \sim +85\text{ }^{\circ}\text{C}$;
- All models pass 100% baking machine test, warranty period: 5 years;
- CAN interface with lightning protection, anti-radar to GB / T17626.5 (IEC61000-4-5) short-circuit current wave $10 / 700\text{ }\mu\text{s}$, open-circuit peak output voltage 6KV standard.

Parameters

◆ Fiber

Optical port: 1

Optical fiber: single fiber double fiber

Optical fiber interface: FC / SC / ST optional

Wavelength: 850nm / 1310nm multimode; 1310nm / 1550nm single mode

Transmission distance without relay: 20 ~ 120Km

Typical transmit power: 1310 / 1550nm single mode: $\geq -9\text{dBm}$

Multimode 850nm: -18dBm

Multimode 1310nm: -25dBm

Acceptance sensitivity range: $-28\text{dBm} \sim -40\text{dBm}$

◆ CAN Bus interface

Protocol: Comply with international CAN1.0, CAN2.0 standards

Rate: 0 ~ 1000Kbps



Physical Interface: Industrial Terminal

CAN definition: CANH, CANL, GND

◆ Electrical and mechanical characteristics

System power: AC7V ~ 50V; DC9-55V;

Power consumption: ≤2W

Appearance structure: 133mm (length) x 120mm (width) x 50.0mm (height)

◆ Working environment

Working temperature: -40 °C — + 85 °C

Storage temperature: -40 °C — + 85 °C

Operating humidity: 0% —95% (non-condensing)

MTBF: > 100,000 hours

Specifications

Model	FCP-C1/2G
Functional Description	Simultaneous transmission of 1-2 CAN bus interfaces on the fiber
Port Description	An optical port ; 1-2 CAN BUS Interface
Power	Power supply: AC 7V~50V ; DC 9-55V
Dimension	Product Size: 133X120X50mm (WDXH)
Weight	0.75KG/pieces

Application

