

Industrial Grade 1-2 ch CAN Bus Fiber Modem

Specifications

Overview

Model: FCM-C1/2

The CAN fiber modem can transfer CAN bus signal to optical signal and transmit over fiber, which can extend the communication distance of CAN bus. At the same time, due to adopting optical fiber communication, it solves the problems of electromagnetic interference, ground ring interference and lightning damage, and greatly improves the reliability, security and confidentiality of data communications and can be widely used in various industrial control, process control and traffic control applications. It is particularly suitable for banks, power and departments or systems that have special requirements for electromagnetic interference.

Photo



Features

- Based on proprietary integrated circuit
- Provide 1~2 CAN bus interface, an optical port
- CAN transparent data transmission, without any set
- CAN interface Maximum number of nodes 128,CAN interface rate 0-1Mbps
- CAN interface speed in line with international CAN1.0, CAN2.0 standard
- DC9-55V or AC7-50V wide supply that includes an automatic polarity detection function, no need to distinguish positive and negative installation
- Provide DIN 35mm rail mounting, or wall mounting
- CAN interface with lightning protection, lightning reached GB / T17626.5 (IEC61000-4-5)Short circuit current wave 8 / 20 μ s, open standard peak output voltage 6KV



Parameters

◆ Fiber

Optical port: 1
 Optical Fiber: Single/Dual fiber
 Fiber interface: FC/SC/ST
 Wavelength: 850nm/1310nm Multimode;
 1310nm/1550nm Single mode
 Receive sensitivity range: -28dBm~- 40dBm

◆ Can bus interface

Standard
 Protocol: In line with international CAN1.0, CAN2.0 standard
 Rate: 0 ~ 1000Kbps
 Physical Interface: Industrial Terminals
 CAN Definitions: CANH, CANL, GND

◆ Electrical and mechanical feature

Relay-free transmission distance: 20~120Km
 Typical transmit power:
 Single mode1310/1550nm: ≥-9dBm
 Multimode850nm: -18dBm
 Multimode1310nm: -25dBm
 System power: AC7V ~ 50V; DC 9V~ 55V
 Power consumption: ≤2W
 Size: (L × W× H) 72×125×26mm DIN Rail type

◆ Working environment

Operating temperature: -40℃—+85℃
 Storage temperature: -40℃—+85℃
 Working humidity: 0%—95% (No condensation)
 MTBF: > 100,000 hour

Specifications

Product number	FCP-C1/2
Product Function Description	Simultaneous transmission of 1-2 CAN bus data over fiber
Business port description	1 fiber interface; 1~2 CAN bus interfaces
Power supply	AC 7~50V DC9~55V
Product Size	(L × W × H) 72 * 125 * 26 mm DIN Rail Type
weight	0.25Kg / PCS

Application

