



## CAN BUS Fiber Modem

### (Desktop Type)

#### Overview

The device can achieve optical fiber CAN bus signals converted to optical signals on optical fiber transmission, extended the CAN bus communication distance, and because the use of optical fiber communication, solve the electromagnetic interference, ground loop interference and lightning damage, greatly improving the reliability of data communications, security and confidentiality, can be widely used in various industrial control, process control, and traffic control and other occasions, especially for banks, electricity and electromagnetic interference environment departments have special requirements and systems..

#### Product Photo



Desktop Type

#### Features

- Based on proprietary integrated circuit;
- Provide a CAN bus interface, an optical port
- CAN transparent data transmission, without any set
- CAN interface Maximum number of nodes 128
- CAN interface rate 0-500Kbps
- CAN interface speed in line with international CAN1.0, CAN2.0 standard
- multiple power mode options: AC220V, DC-48V / DC24V etc.
- DC-48V / DC24V power supply with automatic polarity detection function, when installed without distinction between positive and negative



- CAN interface with lightning protection, lightning reached GB / T17626.5 (IEC61000-4-5) Short circuit current wave 8 / 20  $\mu$ s, open standard peak output voltage 6KV

## Parameters

### ◆ Fiber

#### Multi-mode Fiber

50/125um, 62.5/125um,

Maximum transmission distance: 5Km @ 62.5 / 125um single mode fiber, attenuation (3dbm/km)

Wave Length: 820nm

Transmitting power: -12dBm (Min) ~ -9dBm (Max)

Receiver sensitivity: -28dBm (Min)

Link budget: 16dBm

#### Single-mode Fiber

8/125um, 9/125um

Maximum transmission distance: 40Km

Transmission distance: 40Km @ 9 / 125um single mode fiber, attenuation (0.35dbm/km)

Wave Length: 1310nm

Transmitting power: -9dBm (Min) ~ -8dBm (Max)

Receiver sensitivity: -27dBm (Min)

Link budget: 18dBm

### ◆ CAN Bus interface

Rate: 0-500Kbps

Interface characteristics: compliance with international CAN1.0, CAN2.0 standard

Connector: Phoenix terminal

### ◆ Working environment

Working temperature: -10°C ~ 50°C

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

Storage temperature: -40°C ~ 80°C



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

## Specifications

Model	FCP-C1
Functional Description	One channel CAN fiber modem
Port Description	An optical port ; One CAN BUS Interface
Power	Power supply: AC180V ~ 260V ; DC -48V ; DC +24V Power consumption: ≤10W
Dimension	Product Size: 103X93X28mm (WXDXH)
Weight	1.2KG

## Application

