

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







• 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 µ s, open standard peak output voltage 6KV

Parameters

• Fiber

Muti-mode Fiber $50/125um, 62.5/125um,$ Maximum transmission distance: $5Km @ 62.5 / 125um single mode fiber,$ attenuation (3dbm/km) $820nm$ Wave Length: $820nm$ (Min) ~-9dBm (Max)Receiver sensitivity: $-28dBm$ (Min) ~-9dBm (Max)Link budget: $16dBm$ Single-mode Fiber $8/125um, 9/125um$ $8/125um, 9/125um$ $16dBm$ Maximum 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: $1310nm$ Transmitting power: $-9dBm$ (Min) ~-8dBm (Max)Receiver sensitivity: $-27dBm$ (Min)Link budget: $18dBm$ CAN Bus interfaceRate: $0-500Kbps$ Interface characteristics:compliance with international CAN1.0, CAN2.0 standardConnector:Phoenix terminalWorking environment $Working temperature:$ Working temperature: $-10^{\circ}C \sim 50^{\circ}C$ Working Humidity: $5\% ~95 \%$ (no condensation)Storage temperature: $-40^{\circ}C \sim 80^{\circ}C$		
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Working Humidity: 5%~95 % (no condensation)	Working environment	
	Working temperature:	-10°C ~ 50°C
Storage temperature: -40°C ~ 80°C	Working Humidity:	5%~95 % (no condensation)
	Storage temperature:	-40°C ~ 80°C



Fiber Optic Modems

Storage Humidity:

5%~95 % (no condensation)

Specifications

Model	FCP-C1
Functional	One channel CAN fiber modem
Description	
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



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