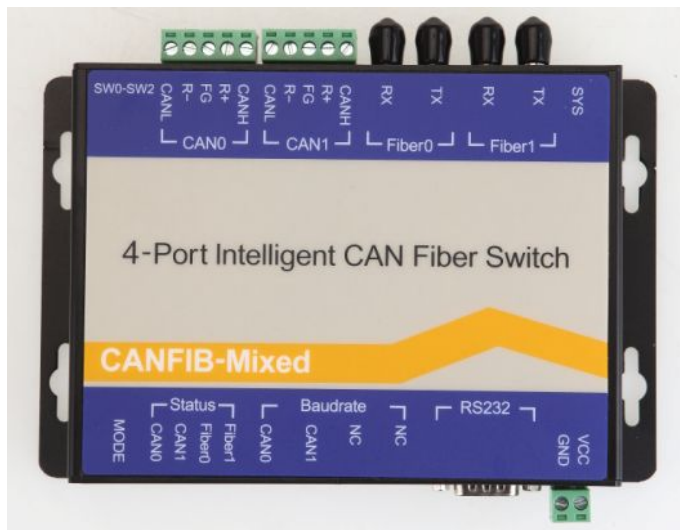# FO-FIB-MIXED Series

CAN Bus Fiber Optic Switch Router(2 port CAN+2 port Optical)

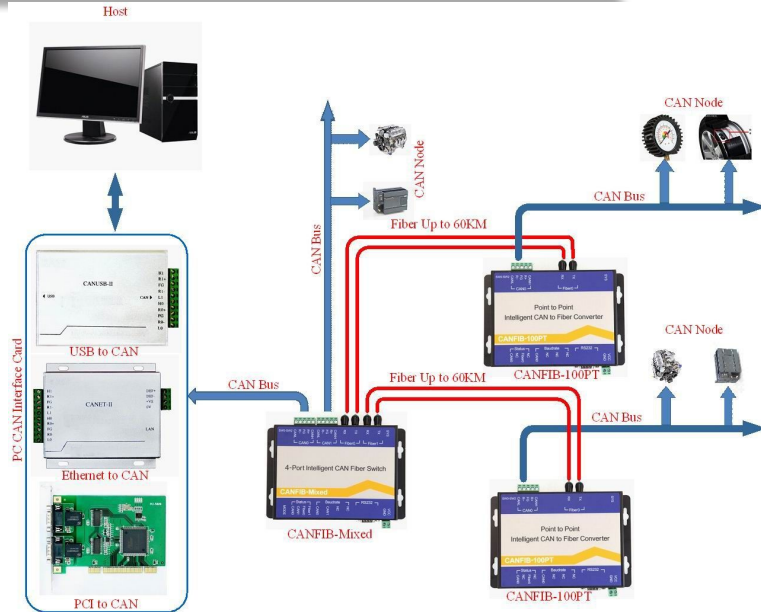

Product Description

The FO-FIB-MIXED Can bus to fiber optic switch provide an optical point-to-point or bus network connection for Can bus data interfaces on one or two, multimode or single mode optical fibers. The Canbus fiber optic switch has 2 CAN ports and 2 fiber optic ports, all 4 ports are configurable via software.Any port can communicate with other ports,so it has the functions of "Repeater","Router" and "Switch", it can be used   in point to point,multi drop bus,star and tree topologies. The Can bus series units support both CAN 1.0 and CAN 2.0B CAN standards and are transparent to all high level protocols.
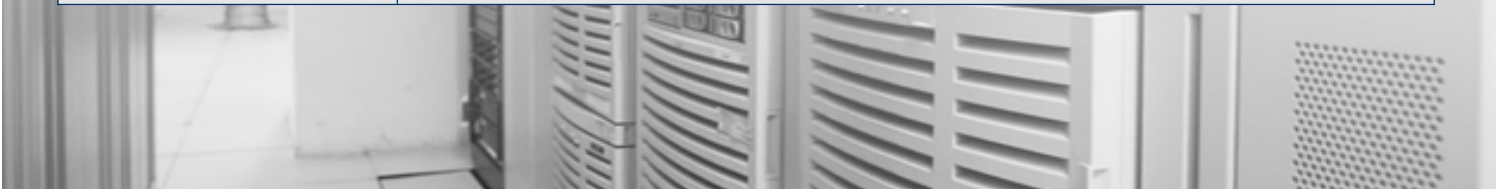
Product Features

- ◆ Up to 1Mbps data rate(20km when it's 1MB,New technology)
- ◆ Up to 6500 frames/second
- ◆ All ports can communicate with each other
- ◆ Multi mode and single mode
- ◆ Point to point,Multi-drop Bus,Star and Tree topologies
- ◆ Single fiber solution supported
- ◆ 5 years warranty

Typical System Configuration

Specifications：

Data	
Data Formats	CAN1.0 ,CAN2.0 ,Device Net
CAN Data Rate	0-1Mbps
Bit Error Rate	<1 x 10-12
Connectors	
Data	Screw Block Terminal 2 ports
Fiber	ST, SC or FC (ST fitted as standard)
Environmental	
Operating Temperature	-30C---+70C
Storage Temperature	-40C---+90C
Operating Humidity	0-95%
MTBF	>100,000 Hours
Optical	
Fiber	Multi mode or single mode
Wavelength	MM:850nm,SM:1310nm
Number of fibers	8 or 4(WDM,Bi-Di) (2TX+2RX)
Power	
Power Input	+9-+40V DC
Mechanical	
Dimensions	156(W)×108(D)×33.6(H)mm Wall mount

BUENOPTIC

CAN BUS Products Model Selection:

Model Number	Description	Port No.	Fiber Mode	Fiber Connector
HFD-FO-CAN-P1M	Fiber Optic Converter,Point to Point Link,Single Fiber(BI-DI), 2km,DIN Rail Mount	1 CAN +1 FO	Multi Mode	ST/SC/FC
HFD-FO-CAN-P2M	Fiber Optic Converter,Point to Point Link,Dual Fiber, 2km,DIN Rail Mount	1 CAN+2 FO	Multi Mode	ST/SC/FC
HFD-FO-CAN-P1S	Fiber Optic Converter,Point to Point Link,Single Fiber(BI-DI), 20km	1 CAN +1 FO	Single Mode	ST/SC/FC
HFD-FO-CAN-P2S	Fiber Optic Converter,Point to Point Link,Dual Fiber, 20km	1 CAN+2 FO	Single Mode	ST/SC/FC
HFD-FO-CAN-M2M	Fiber Optic Converter,Multi-drop Link,Dual Fiber(BI-DI), 2km	1 CAN+2 FO	Multi Mode	ST/SC/FC
HFD-FO-CAN-M4M	Fiber Optic Converter,Multi-drop Link,4 Fiber, 2km	1 CAN+ 4 FO	Multi Mode	ST/SC/FC
HFD-FO-CAN-M2S	Fiber Optic Converter,Multi-drop Link,Dual Fiber(BI-DI), 20km	1 CAN+2 FO	Single Mode	ST/SC/FC
HFD-FO-CAN-M4S	Fiber Optic Converter,Multi-drop Link,4 Fiber, 20km	1 CAN+4 FO	Single Mode	ST/SC/FC
FO-FIB-100PT	Configurable Fiber Optic Converter,Point to Point Link,Wall Mount	1CAN+1 or 2 FO	SM/MM	ST/SC/FC
FO-FIB-100BT	Configurable Fiber Optic Converter,Multi Drop Link,Wall Mount	1CAN+2 or 4 FO	SM/MM	ST/SC/FC
FO-FIB-MIXED	Configurable CAN Fiber Optic Switch,Point to point,Multi-drop,Star,Tree,Wall Mount	2 CAN+4 FO(2TX+2RX)	SM/MM	ST/SC/FC
SW-400T	4 Port Configurable CAN BUS Switch, Wall Mount	4 CAN		
BRIGE-200T	Configurable CAN TO CAN Bridge	2 CAN		
CANET-I	1 Port CAN to Ethernet Converter	1 CAN+1 TCP		
CANET-II	2 Port CAN to Ethernet Converter	2 CAN+1 TCP		
CAN-USB-I	1 Port CAN to USB Converter	1 CAN+1 USB		
CAN-USB-II	2 Port CAN to USB Converter	2 CAN+1 USB		
CAN-PCI-5001	1 Port CAN PCI Card	1 CAN+1 PCI		
CAN-PCI-5002	2 Port CAN PCI Card	2 CAN+1 PCI		
CAN-232	CAN to RS-232 Converter	1 CAN+1RS232		
CAN-485	CAN to RS-485 Converter	1 CAN+1RS485		