

HFD-FO-CAN Series

CAN Bus Multi-drop fiber optic Converter



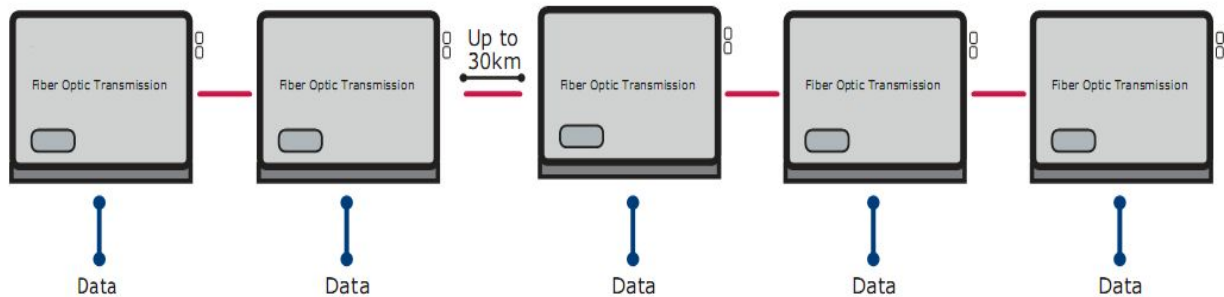
Product Description

The HFD Can bus series products 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 Can bus Multi-drop Bus Fiber Optic Modem act as in-line repeater stations and provide a single electrical connection and two optical connections, one upstream and one downstream. The Can bus series units support both CAN 1.0 CAN 2.0B CAN standards and are transparent to all high level protocols. This series is available in either wall mount, DIN rail or 2U chassis card configurations.

Product Features

- ◆ Up to 1Mbps data rate
- ◆ Multi mode and single mode
- ◆ Single or Dual redundant power supply
- ◆ Single fiber solution
- ◆ Wall mount, rack or chassis configurations
- ◆ 5 years warranty

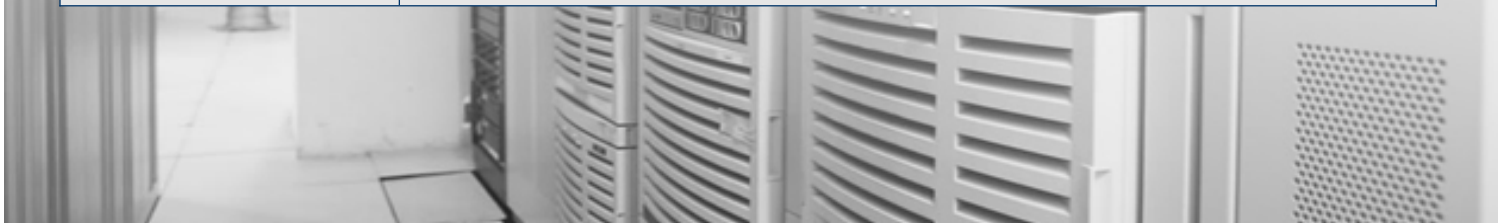
Typical System Configuration



— Multimode or singlemode fiber
— Data cable (depends on data type)

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 or DB9
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	4 or 2(WDM,Bi-Di)
Power	
Power Input	AC 220V 110v or DC+110V +5V +12V +24V +48V Option
Mechanical	
Dimensions	43(W)×88.5(D)×124.5(H)mm DIN Rail



Model Selection:

Model Number	Description	Fiber No.	Fiber Mode	Fiber Connector
HFD-FO-CAN-P1M	Point to Point Link,Single Fiber(BI-DI), 2km	1	Multi Mode	ST/SC/FC
HFD-FO-CAN-P2M	Point to Point Link,Dual Fiber, 2km	2	Multi Mode	ST/SC/FC
HFD-FO-CAN-P1S	Point to Point Link,Single Fiber(BI-DI), 20km	1	Single Mode	ST/SC/FC
HFD-FO-CAN-P2S	Point to Point Link,Dual Fiber, 20km	2	Single Mode	ST/SC/FC
HFD-FO-CAN-M2M	Multi-drop Link,Dual Fiber(BI-DI), 2km	2	Multi Mode	ST/SC/FC
HFD-FO-CAN-M4M	Multi-drop Link,4 Fiber, 2km	4	Multi Mode	ST/SC/FC
HFD-FO-CAN-M2S	Multi-drop Link,Dual Fiber(BI-DI), 20km	2	Single Mode	ST/SC/FC
HFD-FO-CAN-M4S	Multi-drop Link,4 Fiber, 20km	4	Single Mode	ST/SC/FC

