HFB-FO-232 Series

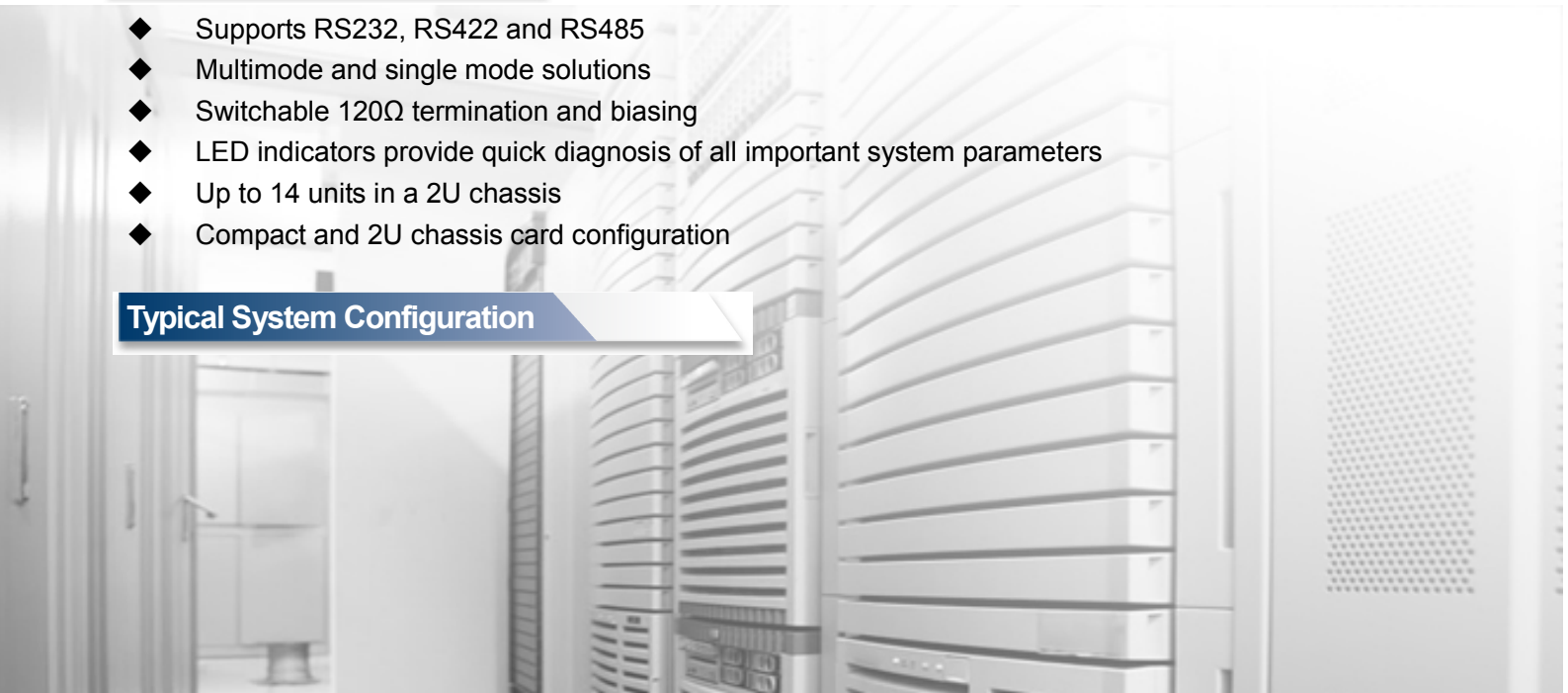## *RS-232 to Fiber Optic Modem*

Product Description

The HFB series RS-232 fiber optic modems use the most advanced digital technologies to provide excellent repeatable performance for today's data systems. It supports transmission of one bi-directional data channel over one multimode or single mode optical fiber. RS232, RS422 and RS485 standards are fully supported. The plug-and-play design ensures ease of installation with no electrical or optical adjustment needed. LED indicators are provided to show the operational status of the unit clearly.   The series is available in compact wall mount or 2U chassis card.
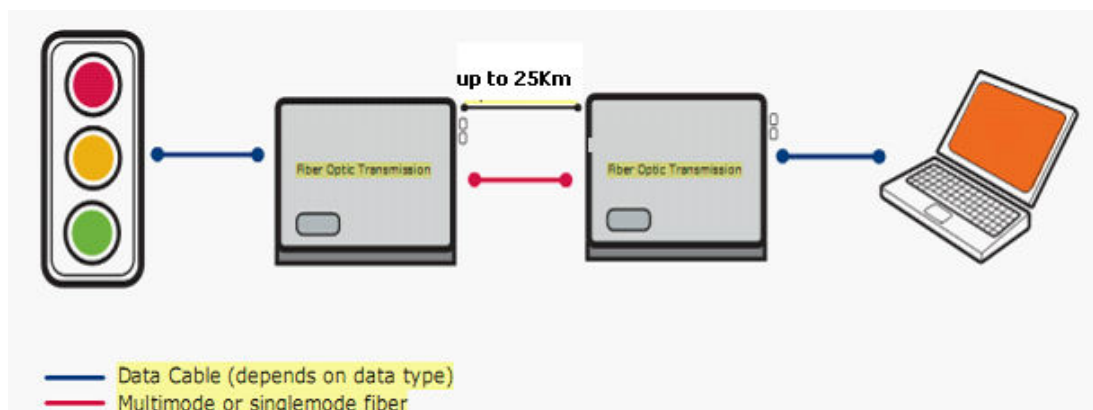
The HFB RS-232 Series converter is equipped with a multiple interface circuit that can handle RS-232 serial interfaces and multi-mode or single mode fiber. RS-232 converters are used to extend serial transmission distance up to 2 km (multi-mode fiber) or up to 20-100km (single mode fiber). .Auto Baud Rate Detection The RS-232 Series incorporates a method for automatically detecting the serial signal baud rate by hardware. This is an extremely convenient feature for the user. Even if a device's baud rate is changed, the signal will still be transmitted through the RS-232 to fiber converter without any problem.

Product Features

- ◆ Supports RS232, RS422 and RS485
- ◆ Multimode and single mode solutions
- ◆ Switchable 120Ω termination and biasing
- ◆ LED indicators provide quick diagnosis of all important system parameters
- ◆ Up to 14 units in a 2U chassis
- ◆ Compact and 2U chassis card configuration

Typical System Configuration

Data Cable (depends on data type)
Multimode or singlemode fiber

Specifications：

Data	
Data Formats	RS232,RS422,RS485
RS232 Data Rate	115.2kbps
RS422/485 Data Rate	512kbps or 1Mkbps
Bit Error Rate	<1 x 10-12
Connectors	
Data	Screw Block Terminal
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	2 or 1(WDM,Bi-Di)
POWER	
Power Input	AC 220V 110v or DC+110V,+5V,+12V,+24V,+48V Option
Mechanical	
Dimensions	125(L)×110(W)×36(H)mm Wall Mount & DIN Rail

Ordering Information:

Model Number	Description	Fiber No.	Fiber Mode	Fiber Connector
HFB-FO-232-P1M	Point to point Link,Single Fiber(BI-DI), 2km	1	Multi Mode	ST/SC/FC
HFB-FO-232-P2M	Point to point Link,Dual Fiber, 2km	2	Multi Mode	ST/SC/FC
HFB-FO-232-P1S	Point to point Link,Single Fiber(BI-DI), 20km	1	Single Mode	ST/SC/FC
HFB-FO-232-P2S	Point to point Link,Dual Fiber, 20km	2	Single Mode	ST/SC/FC