Industrial PROFIBUS to Fiber Converters

LPBxxx-1yy is using large FPGA design with wavy aluminum reinforced case. It can support a channel Profibus-DP to fiber optic repeater, communication rate 0-12Mpbs. It also meet the requirements of various industrial sites and convenient fiber optic communication solutions.

FEATURES

- Auto baudrate detection and data speed of up to 12Mbps
- Fail safe PROFIBUS signals avoid corrupted datagrams
- Redundancy dual Power inputs
- Fiber transmission up to 120km
- Industrial harden operating temperature
- IP40 protection grade
- 35mm DIN rail mounting

SPECIFICATIONS

Fiber optic	
Optical port	1
Optical fiber	Single fiber and dual fiber
Fiber Interface	FC or ST
Wavelength	850nm/1310nm multimode ; 1310nm/1550nm single mode
No relay transmission distance	20-120Km
Typical transmit power	Single mode 1310 / 1550nm: >-9dBm ; Multimode 850nm -18dBm ; Multimode 1310nm: -25dBm
Acceptable sensitivity range	28dBm - 40dBm
Profibus DP interface	
Standard	Support Profibus DP standard
Rate	9.6kBit/s, 19.2 kBit/s, 45.45kBit/s ; 93.75kBit/s, 187.5kBit/s, 500kBit/s, 1.5MBit/s, 6MBit/s and 12MBit/s
Physical interface	9-pin D-Sub jack connector with pin definitions in accordance with Profibus DP protocol specifications
Rate setting	9600-12Mbps/s automatic identification
Signal delay (electrical port)	< 11 Bit
Terminal resistance	This unit does not have a terminating resistor, please connect as needed
power input	AC & DC (9~55V)
Working environment	
Working temperature	-40°C -+85°C
Storage temperature	-40°C -+8S°C
Working humidity	0%-95% (no condensation)
MTBF	> 100,000 hours
Dimension	133 W x120 H x 40 D mm

ORDERING INFORMATION

P/N	Descriptions
LPBxxx-1yy	Profibus Fiber Converter 1x Fiber
LPBxxx-2yy	Profibus Fiber Converter 2x Fiber

xxx -	S20 SInglemode 20km
-	M02 Multimode

yy -	FC or ST