



FIB-232A

RS-232 to Fiber Media Converter

The FIB-232A is a low cost, compact, fiber converter designed to extend asynchronous RS-232 transmissions up to 120Km without any repeaters. The transmissions run in fibers which provide for excellent data security as well as being immune to EMI/RFI, variations in ground potentials, and lightning strikes. The FIB-232A operates at the physical layer (OSI Layer 1) and is completely transparent to the RS-232 transmissions and protocols. The FIB-232A uses an external power adapter. Utilizing an ST or SC fiber cable, the FIB-232A operates in Full Duplex mode for bi-directional transmissions. The FIB-232A RS-232 interface operates in DCE mode for direct connection to DTE devices such as PC DB9 port.

Features

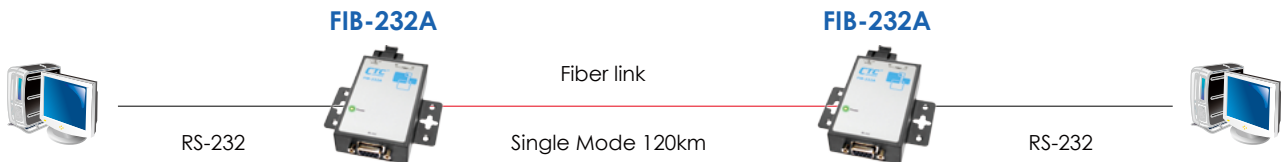
- Extends RS-232 transmission distance
- Up to 2km with multi-mode fiber
- Up to 120km with single-mode fiber
- Baud rates up to 230.4Kbps
- External power source supplied
- Compact size
- Designed for point to point use

Specifications

Signal Format	EIA RS-232C, ITU V.24, V.28
Mode	Asynchronous
Connector	DB9 Female, DCE
Fiber Port	1 x 9(ST, SC, FC)
Fiber Type	Single Mode, Multi-mode
Light Source	FP Laser, DFB Laser
Wavelength	1310 nm, 1550nm
Distance	2Km, 15Km, 30Km, 60Km, 80Km, 120Km

Baud Rate	Up to 230.4Kbps
BER	10 ⁻⁹
Indications	LED (Power)
External Power	DC12V, 0.4A
Dimensions	85 x 50 x 21mm (D x W x H)
Weight	90g
Environment	0 ~ 50°C, 20 ~ 95% RH -20 ~ 80°C, < 95% RH
Certification	CE, FCC, RoHS compliant

Application



Ordering Information

Model Name	Description
FIB-232A	RS-232 to fiber media converter
Connector Type	Connectivity Distance
SC, ST, FC	002: 2km 015: 15km 030: 30km 050: 50km 080: 80km 120: 120km 20A: WDM 20km A type 20B: WDM 20km B type 40A: WDM 40km A type 40B: WDM 40km B type 60A: WDM 60km A type 60B: WDM 60km B type 80A: WDM 80km A type 80B: WDM 80km B type

Connector Type Connectivity Distance

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Example: FIB - 232A - SC002