FIB-422/ST

RS-422/ Fiber Converter

The FIB-422/ST is a low cost, compact, fiber converter designed to extend RS-422/RS-485 transmissions up to 2Km 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-422/ST operate in pairs at the physical layer (OSI Layer 1) and are completely transparent to the RS-422 transmissions and protocols. The FIB-422/ST, utilizing an ST fiber cable, operates in Full Duplex mode for bi-directional transmissions.



Features

- Compact design.
- Extends RS-422 up to 2Km.
- RS-422 at rates up to 115,200 baud.
- ST connector accommodates multi-mode fiber optic cable size 62.5/125µm.
- Secure data transmissions.
- Provides electromagnetic immunity.
- Full Duplex, bi-directional operation.
- Transparent operation.
- DC powered from AC adapter.

Physical

Dimensions: 55.6(L) x 43.4(W) x 17.4(H) mm

Weight: ~80gram

Environment

Operation: 0~50°C,20~95%RH Storage: -20~80°C, <95% RH

Specifications

Signal Format EIA RS-422/ST, ITU V.24, V.28

Mode Asynchronous

Connector 4-Screw terminal(T+, T-, R+, R-)

Fiber Port ST

Fiber Type Multi-Mode Light Source VCSEL Laser

Wavelength 850nm

Power Budget 10dB@(at 62.5/125µm fiber cable)

Distance 2000 meters Speed DC~115,200bps

BER(Bit Error Rate) <10⁻⁹ One power LED indicator

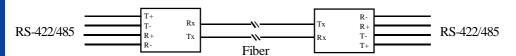
9VDC, 300mA, AC adapter Power:

Order Information

FIB-422/ST; RS-422 to Fiber Converter, ST,

Multi-mode, 2Km

Application Example



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