

Product Summary

FIBER MEDIA CONVERTERS

FIB1- 485



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FIB1-485

RS-232 / 423/ 485 to fiber converter

The **FIB1-485** provides a fiber converter solution to extend RS-485 transmission distance up to 2Km over multimode fiber. The converter is equipped with multiple interface circuits, for connection to RS-232, RS-422, or RS-422/485 (2 or 4-wire). The **FIB1-485** secures data transmissions over EMI resistant fiber at speeds up to 256kbps for RS-232, or up to 1024kbps for RS-422/485. The **FIB1-485** may also be placed in the FRM-301 Platform Media Converter Rock.

Features

- Selectable data I/F for RS-232/423/485/TTL.
- Selectable for two or four wire RS-485/422.
- Speeds up to 256kbps for RS-232 and RS-423.
- Speeds up to 1024kbps for RS-485/422.
- Extend transmission distance up to 2Km.
- Supply +5V (60mA) output for external device.

Specifications

OPTICAL Specifications

Wavelength:	850nm
Optical Mode:	Multimode
Operating Distance:	2Km
Fiber Type:	50/125um, 60/125um
Optical Budget:	14dB
Transmitter Power:	-15dBm
Receiver Sensitivity:	-29dBm

DATA SIGNAL Specifications

Data Formats:	RS-485/422 2-Wire RS-485/422 4-Wire RS-232 + RTS/CTS 5-Wire RS-232S 3-Wire RS-423 + RTS/CTS 5-Wire RS-423 3-Wire TTL 3-Wire
Baud Rate:	RS-485 1024kbps RS-232 120kbps RS-423 120kbps TTL 1024kbps
Bit Error Rate:	<10 ⁻¹⁰

Electrical Specifications

Input voltage:	12-18VDC
Current Requirement:	300mA
Power Consumption:	5Watts

Connectors Specifications

Optical:	ST type
Data:	6-Position detachable screw terminal

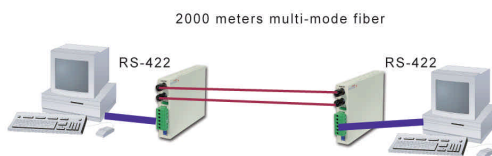
Mechanical Specifications

Dimensions:	Length: 138mm
	Width: 86mm
	Height: 20mm
	Weight: 660g



Application

Link a Remote Terminal to Host Computer



— RS-422 Cable / RS-485
— Multi-mode Fiber Optic Cable

Link Multiple Devices

