

1 Conversion



CPE Solution Fiber Media Converter RS-232/485/422 Fiber Optic Ring/Daisy-chain Modem

The **FIB1-SERIAL/FDC** is an asynchronous fiber optic Ring/Daisy-chain modem which operates over a fiber link to connect remote terminals and computers, connected in multidrop, to a central host. The **FIB1-SERIAL/FDC** allows for totally redundant, fault tolerant, self-healing operation, providing uninterrupted communications between networks nodes, even if a fiber break occurs in one or more devices in the ring or chain fails.

Features

- Total number of device (host + slave) can up to 64
- Multidrop operation over a fiber link
- Provides in a linear bus topology or daisy-chain topology
- Host/Slave selectable
- Automatically prevent a runaway data condition
- Transmission range up to 50Km over single mode fiber
- Provides support for RS-232 or RS-422(RS-485) I/F
- Asynchronous transmission at data rate from DC to 256Kbps
- LED indicators for easy-learning of failure-detection
- Auto-detect the slave device on the host side
- In-band management will not cause any interruption for the data communication

Specifications

Fiber Optical Interface

Connector Type	ST, SC, or WDM(SC)
Fiber-length	
Single Mode	9/125um
Multi-mode	62.5/125um
Wavelength	
Single Mode	1310nm
Multi-mode	1310nm
WDM	1550nm
Maximum Segment Length	
Single Mode	15, 30, 50 or 120Km
Multi-mode	2Km
WDM	20, 40Km
Topology	Linear bus or Daisy-chain ring
Terminal Port Type	2 x 9 Pin (DB type)
Data Port Type	RS-232 or RS-422 selectable
Data Rate	Asynchronous DC to 256kbps

General Specification

Power Supply Voltage	DC +8VDC to +36VDC
Power Consumption	Max. 6 Watts
Temp.	-30 ~ 75°C (Operating) -40 ~ 75°C (Storage)
Humidity	0 ~ 90 % (Non-condensed)
Dimensions	138 x 86 x 40 mm (L x W x H)
Weight	450g



RS232/485 Daisy Chain - Typical Ring Application

