

## Fiber Managed Platform FIB1-Serial & FIB2-Serial

### Stand-Alone RS-232/423/485/422 Copper to Fiber Converter

The FIB1/FIB2-Serial provides a fiber converter solution to extend RS-232 or RS-485 transmission distance up to 2km over multimode fiber or up to 120km over single mode fiber. The converter is equipped with multiple interface circuits, for connection to RS-232, RS-423, or RS-485/422 (2 or 4 wire). The FIB-Serial secures data transmission over EMI resistant fiber at speeds up to 256kbps for RS-232 or up to 1024kbps for RS-422/485. When the FIB1/FIB2-Serial is linked to the FRM301 with FIB1-SERIAL card, it allows network engineers to get greater functionality through advanced SNMP features. The network administrator can manage any converter module from anywhere on the network, detect any link loss and maintain each loop.



### Features

- Extend serial transmission from 2 to 120 km over fiber
- Selectable data I/F for RS232/ 423/ 422/ 485/ TTL
- Selectable two or four wire RS-485/ 422
- Selectable three or five wire RS-232/ 423
- SNMP management features with FRM301 Chassis
- Speeds up to 256Kbps for RS-232 (Async mode) and RS-423
- Speeds up to 1024Kbps for RS-485/ 422 and TTL
- Support auto-adjustment function, no extra attenuators needed

### Specifications

Standard	EIA/ TIA RS485/ 423/ 422/232	
LEDs	Power, Data, Test, Fiber Link	
Power	FIB1	External AC Adaptor required; 9VDC; 1A
	FIB2	AC Model: 100 — 240 VAC ± 10%; Frequency: 50 — 60 Hz DC Model: 24 — 48VDC ±10%
Environment	Temperature	0 — 50°C (Operating) ; 0 — 70°C (Storage)
	Humidity	up to 90% non-condensing
Power Consumption	FIB1	< 5W
	FIB2	< 5W
Dimensions(WxDxH)	FIB1	85.6mm x 122.6mm x 20mm
	FIB2	85.6mm x 191.7mm x 30mm
Weight	FIB1	300g
	FIB2	550g
Compliance	CE, FCC part 15 class A	
MTBF	257063 Hours	

### Ordering Info

FIBX-Serial	X/-	XX-	XXX
Product Type	Fiber Type	Connector Type	Connectivity Distance
FIB1 Family	S: Single	ST	002: 2km
FIB2 Family	M: Multi	SC	015: 15km
	W: WDM	FC	030: 30km
			050: 50km
			080: 80km
			120: 120km
			*20A: 20km [WDM only]
			*20B: 20km [WDM only]
			*40A: 40km [WDM only]
			*40B: 40km [WDM only]
			*60A: 60km [WDM only]
			*60B: 60km [WDM only]

\*020A must use couple with 020B  
\*040A must use couple with 040B

### Application

