FIBERSeries

10/100Mbps Base Fiber Converter Series

The Fast Fiber Converter Series gives you the option to choose from the two most popular fiber cabling connectors. The *FIB-10/100S/M/ST* provides you with ST connectors for your fiber optic cables and RJ-45 ports (straight through and cross-over) for 10/100Base-TX twisted pair cable connection. The *FIB-10/100/S/M/SC* provides you with SC connectors for your fiber optic cable and RJ-45 ports (straight through and crossover) for your 10/100Base-TX cable connection. When auto-negotiation is selected, these units will automatically tailor themselves to convert both half-duplex and full-duplex signals, depending on your specific network needs. You may also set the unit to convert signals in full-duplex only or half-duplex only. The Fast Fiber Converters give you the freedom to extend your 10/100Mbps cabling distance by allowing connectivity up to 120 kilometers. Six LED indicators signal the power status of the converter, UTP port speed , duplex status and Link/RX and FX port Link/RX and duplex status.

FIB-10/100S/ST/SC
FIB-10/100M/ST/SC

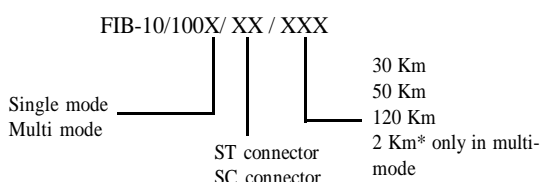**Fiber 10/100 Mbps/ST and SC Converter (single-mode & multi-mode)**

FEATURES

- Complies with IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX standards.
- Fiber connectivity up to 120Km for single-mode, 2Km for multi-mode.
- ST connector can accommodate single-mode size of 9/125µm or multi-mode size of 62.5/125µm.
- Two RJ-45 for straight or cross-over connection.
- Full-Duplex, Half-Duplex or Auto selectable
- 6 diagnostic LEDs

SPECIFICATIONS

- **Compatibility**

Standards	IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX
Protocol	CSMA/ CD

- **Physical Characteristics**

Interface	RJ-45 connector, using UTP 100-ohm Cat. 3, 4 or 5 cable ST or SC connector, using 9/125µm single-mode fiber optic cable or using 62.5/125µm multi-mode fiber optic cable.
Wave Length	1310nm
Maximum Segment Length	UTP cable (10Base-T): 100Meters single-mode fiber optic cable, full duplex: 2Km multi-mode fiber optic cable, full deplex: 30,50,120Km
Temperature	0'C to 70'C (Operating)
Humidity	10% to 90% (Non-condensing)
External Power Supply	Input rating: 110 or 220VAC, 50-60Hz Output rating: 9VDC, 600mA

Ordering Information

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FIB-10/100X/ XX / XXX
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Single mode
Multi mode

ST connector
SC connector

30 Km
50 Km
120 Km
2 Km* only in multi-mode

Example

FIB-10/100S/ST30	10/100 Base-T to fiber converter, single-mode, ST connector, 30Km
FIB-10/100S/SC120	10/100 Base-T to fiber converter, single-mode, SC connector, 120Km
FIB-10/100M/ST2	10/100 Base-T to fiber converter, multi-mode, ST connector, 2Km