10/100Mbps WDM Fiber Converter Series

The WDM Fiber Converter Series gives you the option to choose from the two most popular fiber cabling connectors. The *FIB-10/100W/ST* provides you with ST connectors while the *FIB-10/100W/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 WDM Fiber Converters give you the freedom to extend your 10/100Mbps cabling distance by allowing connectivity up to 20 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-10/100W/ST
FIB-10/100W/SC

Fiber 10/100 Mbps WDM /ST and SC Converter (single-mode)

FEATURES

- Complies with IEEE 802.3 10Base-T, 802.3u 100Base-TX and 100Base-FX standards.
- Utilizes WDM technology to provide TX and RX on a single fiber cable.
- Fiber connectivity up to 20Km for single-mode.
- ST or SC connector can accommodate single-mode size of 9/125μm.
- 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.
Wave Length	TX & RX combines in one fiber optic cable
Maximum Segment Length	UTP cable (10Base-T): 100Meters
	single-mode fiber optic cable, full duplex:10, 20Km
Temperature	0ºCto 70ºC (Operating)
Humidity	10% to 90% (Non-condensing)
External Power Supply	Input rating: 110 or 220VAC, 50-60Hz
	Output rating: 9VDC, 1A
Dimension	134mm x 73mm x 18mm (L x W x H)

Ordering Information

- FIB-10/100W/ST10   10/100 Base-T to WDM fiber converter, ST connector, 10Km
- FIB-10/100W/SC10   10/100 Base-T to WDM fiber converter, SC connector, 10Km
- FIB-10/100W/ST20A   10/100 Base-T to WDM fiber converter, ST connector, 20Km
      (Matches with FIB-10/100W/ST20B)
- FIB-10/100W/ST20B   10/100 Base-T to WDM fiber converter, ST connector, 20Km
      (Matches with FIB-10/100W/ST20A)
- FIB-10/100W/SC20A   10/100 Base-T to WDM fiber converter, SC connector, 20Km
      (Matches with FIB-10/100W/SC20B)
- FIB-10/100W/SC20B   10/100 Base-T to WDM fiber converter, SC connector, 20Km
      (Matches with FIB-10/100W/SC20A)