

10/100-TX to 100-FX MEDIA CONVERTER

Overview

BL-100 Converters are compact size units with metal cases to fulfill the FCC emission standards. The 100Base-TX and the 100Base-FX converter feature LED diagnostics for Power, Activity, Link and Full Duplex / Half Duplex operation. All converters are fully compliant with the IEEE 802.3 & 802.3u Fast Ethernet standards and feature one STP-RJ45 10/100Base-TX port as well as one Fiber Optic 100Base-FX (SC/ST) port.

The BL-100C/T is used in applications where multimode fiber is installed while the BL-100C single mode can be used where single mode fiber cables are in use. This type of converter can extend the transmission distance from 2km to 80 km. Each unit is powered by an external power supply. Installation of the Fast Ethernet converter is simple and straightforward. The powerful features are 10/100 Auto Negotiation, Auto cross over for TP port, Fiber Link Alarm, Voltage supervisor, and support switch mode & pure converter mode.

Key Features

- Supports Full and half duplex transmission
- LED Indicators: Power, FDX, TP 100, TX Link/Act, Fiber , FX Link/ACT
- 10/100Mbps Auto Negotiation
- Auto cross over for TP port
- Support Link Alarm
- Support Switch mode & Pure converter mode
- Dual Port 10/100Mbps Switch inside
- Metal Case
- Voltage supervisor



Specifications

Ethernet Standards	IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100 Base-TX/FX Fast Ethernet IEEE 802.3x Flow Control IEEE 802.1q VLAN IEEE 802.1p QoS IEEE 802.1d spanning Tree
Ports	One RJ 45 connector, connected to STP/UTP category– 5 twisted pair One FX port: Multi Mode-SC or ST (fiber size: 50,62.5/125µm) Single Mode-SC fiber port (fiber size:9/125µm)
Mac Table	1 K entries
Data Transfer Rate	200Mbps-Full Duplex
LED	Power TX link (fiber link action), TP LINK1000, TP LINK100, TP ACT) FDX (FX full duplex mode), FX100 (Fiber, with a transmission rate of 100M) TP1/2/3/4 LINK/ACT (1/2/3/4-port twisted pairs connection action) TP1/2/3/4100 (1/2/3/4-port twisted pairs, with a transmission rate of 100M)
Switching method	Store and forward
Power	Ext. Power Supply, 5V DC 1A Power consumption: 5W
Operation and Storage Temperature	Operation: -10°~ 55 °C ;Storage Temp. -40°~ 70°
Humidity	5% ~90% non condensing
Emission & Compliance	FCC CLASS A and CE, RoHS
Dimension	94x71x26 (out) (DxWxH)
Warranty	3 year limited

Ordering Information

BL-100C	10/100Base-T/TX to 100Base-FX(SC) Multi-Mode 2km
BL-100T	10/100Base-T/TX to 100Base-FX(ST) Multi-Mode 2km
BL-100C-20 (40/60/80 km)	10/100Base-T/TX to 100Base-FX(SC) Single-Mode, 20KM (40/60/80 km special order)