

Fiber to RJ45 Medya cevirci

Fast Ethernet Converter



3. Technical Specifications

The Converter conforms to the following standards:

Standards: IEEE802.3u Fast Ethernet
10/100Base-TX and 100Base-FX

Connectors (RJ45-UTP and Fiber SC or ST)

>HTB-1100 : RJ-45 and SC/ST Connector (Multi-mode)

>HTB-1100S : RJ-45 and SC Connector (Single-mode)

LED: POWER,FDX/Col,FX Link/Act, TX Link/Act, Fx 100, TX100.

Data Transfer Mode : 10/100Mbps

Duplex Mode: Full or Half Duplex Mode

Power Requirement : AC100-260V
DC 1A@+5V

Ambient Temperature : 0°C to 70°C

Humidity : 5% to 90%

Dimensions : 26 x 71 x 97mm(H x W x D)

Cable:

UTP, Cat 5UTP cable

Fiber Optic Detail:

	HTB-1100	HTB-1100S-25
Connector Type	SC/ST	SC/ST
Fiber Type	Multi-mode	Single-mode
Wavelength	850/1310nm	1310nm
Typical Distance	2Km	2.5Km
Min TX PWR	-19.0dBm	-15.0dBm
Max TX PWR	-14.0dBm	-7.0dBm
Sensitivity	-31.0dBm	-32.0dBm
Link Budget	12.0dBm	17.0dBm

	HTB-1100S-40	HTB-1100-60
Connector Type	SC/ST	SC/ST
Fiber Type	Single-mode	Single-mode
Wavelength	1310nm	1310nm
Typical Distance	40Km	60Km
Min TX PWR	-10.0dBm	-5.0dBm
Max TX PWR	-3dBm	0dBm
Sensitivity	-33.0dBm	-35.0dBm
Link	23.0dBm	30.0dBm

1. Checklist

Your HTB-1100/1100S carton should contain the following items:

- ▶ HTB-1100/1100S Converter
- ▶ AC-DC Power Adapter
- ▶ This User's Guide

Please notify your sales representative immediately if any items are missing or damaged.

2. Overview

The 10/100Base-TX to 100Base-FX Fast Ethernet Converter is fully compliant with all IEEE802.3u standards.

*HTB-1100:SC/ST Fiber Connector (Multi-mode)

*HTB-1100S:SC Fiber Connector (Single-mode)

Six LEDs display instant status monitoring for Power,Fdx/Col, FX (Link/Act), Tx (Link/Act), Fx 100,Tx 100.

3. Installation

Please follow the procedure outlined below:

- > Turn off the power of the device/station in the network in which the HTB-1100/1100S will be installed.
- > Ensure that there is no activity in the network.
- > Attach fiber cable from the HTB-1100/1100S to the fiber network. The fiber connections must be matched--transmit socket to receive socket.
- > Attach a UTP cable from the 100Base-TX network to the RJ-45 port on the HTB-1100/1100S.
- > Connect the power cord to the HTB-1100/1100S and check that the Power LED lights up. The TX Link and FX Link LEDs will light when all the cable connections are satisfactory.
- > Turn on the power of the device/station.

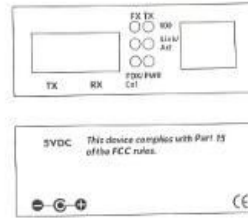


Fig.1 HTB-1100/1100S Converter Front & Side

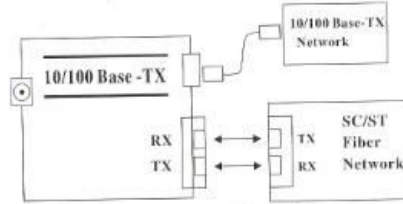


Fig.2 Basic Network Connection

Note:

a. **Wiring pin-outs for connection of the TX port:**

- ⇒ To a Hub or Repeater(MPR): 1 to 3, 2 to 6, 3 to 1, 6 to 2(Crossover Cable)
- ⇒ To a Workstation(DTE): 1, 2, 3, 6 to 1, 2, 3, 6(Straight-through Cable)

b. **The full or half duplex mode must be selected for both the converter AND the linked unit.**

LED	Colour	Function
FX 100	Green	Lit when 100Base-FX operation.
FX Link /ACT	Green	Lit when fiber cable connection with remote device is good.Blinks when any FX traffic is present.
Power	Green	Lit when +5V Power is available.
FDX/ Col	Green	Lit when Full Duplex Mode is enabled. Blinking when collision is present.
TX 100	Green	Lit when 100Base-TX operation.
TX Link /ACT	Green	Lit when TP cable connection with remote device is good.Blinks when any TX traffic is present.



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