



HTB-1100S-W1/2 netLINK 10/100M Single-mode WDM Fiber Optic Ethernet Media Converter

Description

netLINK Series 10/100M Singlemode Single Fiber Converter is the conversion equipment of Ethernet optical-electronic signals between 10/100M UTP interface (TX) and 100M Fiber interface (FX). The traditional 10/100M Fast Ethernet can be extended to the distance of 90km through Single Optical Fiber link. The performance and quality of the products are excellent because of adopting latest IC from Taiwan. It must be used in couples, because the transmitted optical differs from the receive optical in wavelength. 6 Group LED indicated lights could fully monitor the working conditions of Converters. It is easy for end-users to observe the conditions of network. The Series product with reasonable price is especially designed for network end-users.

Feature

- The transmission of a channel optical signals can be completed by single fiber. It has doubled in quantity of fiber data transmission compared with twin fiber type.
- Auto negotiation function allows UTP port to auto select 10M or 100M and Full Duplex or Half Duplex.
- UTP port supports MDI / MDI-X auto crossover
- Supporting flow control
- Supporting 1552 Byte packet
- Internal circuit of prevented thunder could greatly reduce damage of the converter caused by thunderbolt induction.
- Design of internal or external power supply for selection by users

Specification

- Operating standards: IEEE802.3u, 10/100Base-TX and 100Base-FX
- MAC address table: 1K
- Connector:
 - UTP: RJ-45 10/100Mbps;
 - Fiber: SC 100Mbps
- Cable:
 - UTP: Cat. 5 UTP (the max distance up to 100m)
 - Fiber(Singlemode): 8.3/125, 8.7/125, 9/125, 10/125μm(the max distance up to 90km)
- Flow Control
 - Full Duplex: IEEE802.3x
 - Half Duplex: Backpressure
- LED: Power, FX 100, FX Link/Act, TX 100, TX FDX, TX Link/Act.
- Power: AC 110V - 220V to DC 5V; DC48V to DC 5V
- Ambient temperature: 0 ~ 50°C
- Storage temperature: -20 ~ +70°C
- Humidity: 5% ~ 90%
- Dimensions:
 - Internal power: 30×110×140mm
 - External power: 26×70×93mm

Order Information

Type	Fiber type	Connector	Wavelength	TX power	Sensitivity	Max.distance	Link Budget
HTB-1100S-W1/2-20	singlemode	SC	1310/1550nm	-14~-6dBm	-32dBm	20km	18dBm
HTB-1100S-W1/2-40	singlemode	SC	1310/1550nm	-5~0 dBm	-35dBm	40km	30dBm
HTB-1100S-W1/2-60	singlemode	SC	1310/1550nm	-8~-2 dBm	-36dBm	60km	28dBm
HTB-1100S-W1/2-80	singlemode	SC	1310/1550nm	-3~0 dBm	-37dBm	80km	34dBm

Note

10/100M Singlemode Single Fiber Converters must be used and ordered in couples. One set of W1 must be connected with another set of W2 for using. W1 transmitted optical wavelength 1310nm, receive optical wavelength 1550nm; W2 transmitted optical wavelength 1550nm, receive optical wavelength 1310nm. The distance of fiber is up to 20, 40, 60, 80km.