

Gigabit Ethernet (Fiber to Copper) 1000Base-T to 1000base-SX/LX Converter

New Version

**Support
Link Alarm
Function**



FEATURES:

- ◆ **HTB-1000CFM:** One 1000Base-T RJ-45 Interface
One 1000Base-SX SC Interface
- ◆ **HTB-1000CF (SM-10/20/30/60/80):** One 1000Base-T RJ-45 Interface
One 1000Base-LX SC Interface
- ◆ Comply to IEEE 802.3z 1000Base-SX/LX & IEEE 802.3ab 1000Base-T
- ◆ **Support Link Alarm Function**
- ◆ **Support Jumbo Frame (64 ~ 9216 Byte)**
- ◆ **Support Voltage Monitor**
- ◆ Supported Auto-Crossover MDI/MDIX
- ◆ Plug-and-Play installation
- ◆ LED Indicator: Power, TP Act, FDX, TP Link, Fiber Link, Fiber Act
- ◆ Can work with HTB-RACK/12
- ◆ Metal Case

DESCRIPTIONS:

HTB-1000CF Series Gigabit Ethernet 1000Base-T to 1000Base-SX/LX converter is designed to fit emerging deployment needs of optical network. This stand-alone converter allows you to connect Gigabit twisted-pair network to optical-fiber network and cost effectively to a maximum distance 80Km.

HTB-1000CF Series is fully complaint with IEEE 802.3z and IEEE 802.3ab standards. The installation and operation procedures of the HTB-1000CF are simple and straightforward. User can monitor the real time operation status easily via a set of the LEDs located in the front panel. On the others, it can be installed into the HTB-RACK/12.

SPECIFICATIONS:

Standards:

- IEEE 802.3z 1000Base-SX / LX
- IEEE 802.3ab 1000Base-T

Media:

- 1000Base-T EIA/TIA-568 Cat 5; 100M
- 1000Base-SX 62.5/125 μ m
Multimode Fiber, 200M
50/125 μ m
Multimode Fiber, 550M
- 1000Base-LX 50/125 μ m
Multimode Fiber, 550M
9/125 μ m
Singlemode Fiber, 10~80Km

Interface:

- 1000Base-T: 1 x RJ-45 Interface
- 1000Base-SX / LX 1 x SC Interface

Data Transfer Rate:

- 2000Mbps – Full Duplex

Dimension (W x D x H):

- 71 x 97 x 26mm
- Weight: 600g

Power:

- DC 5V, 1.6A

Diagnostic LEDs:

- Power Lit when Power is ON
- FDX Lit when work in Full Duplex Mode
- TP / Link Lit when TP is UP
- TP / Act Lit when TP traffic present
- Fiber / Link Lit when Fiber link is UP
- Fiber Act Lit with Fiber traffic present

Temperature:

- Operating: 0°C to +50°C
- Storage: -20°C to +60°C

Humidity:

- 5% ~ 90% RH

Emission:

- Electrical: UL, CSA
- EMI: FCC Class A, CE

OPTICAL DETAILS:

Model	Connector Type	Fiber Type	Wavelength	Typical Distance	Min TX PWR	Max TX PWR	RX Sensitivity	Link Budget
HTB-1000CFM (50/125um fiber)	SC	Multimode	850nm	550M	-9.5dBm	-4dBm	-18.0dBm	8.5dB
HTB-1000CF (SM-10)	SC	Singlemode	1310nm	10Km	-9.0dBm	-3.0dBm	-21.0dBm	12.0dB
HTB-1000CF (SM-20)	SC	Singlemode	1310nm	20Km	-6.0dBm	-1.0dBm	-21.0dBm	15.0dB
HTB-1000CF (SM-30)	SC	Singlemode	1310nm	30Km	-5.0dBm	0dBm	-24.0dBm	19.0dB
HTB-1000CF (SM-60)	SC	Singlemode	1550nm	60Km	-3.0dBm	2.0dBm	-24.0dBm	21.0dB
HTB-1000CF (SM-80)	SC	Singlemode	1550nm	80Km	-2.0dBm	3.0dBm	-24.0dBm	22.0dB



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