



GIGA ETHERNET MEDIA CONVETER

MODEL: MODEL4000 SERIAL

Overview:

MODEL4000 Series Fiber Media Converters Card can convert Optical-Electric Ethernet signals between 10/100/1000M UTP interface (TX) and 1000M optical fiber interface (FX). It can extend traditional 10/100/1000M Gigabit Ethernet to the distance of 120km through optical fiber link. It possesses stable performance and good quality by adopting latest IC packages from USA and Taiwan. 8 LED indicated lights could fully monitor the working conditions of Converters. It is easy for end users to observe network operation.

Picture:



Main features:

- Auto negotiation function allows UTP port to auto select 10M, 100M or 1000M, and Full Duplex or Half Duplex auto-sensed.
- UTP port supports MDI/MDI-X auto crossover.
- Indicator function of link fault (LFP): When optical fiber or UTP is at fault, the converter could stop all the link.
- Multiple Optical Transceiver could be chosen: SC, ST or FC, single-mode / multi-mode
- Supporting 1600 bytes packet for management
- Converter working mode could be chosen: Store and forward switch mode, Modified cut-through switch mode, or Converter mode.
- Internal Circuit of prevented thunder could greatly reduce damage of the converter caused by thunderbolt induction.
- Internal or External switching power: for users to choose.

Specifications:

- Operating standards: IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-TX, IEEE 802.3z 1000Base-FX Flow control.
 - MAC addresses table: 1K
 - Data buffer: Built-in 128Kbyte RAM
 - Connectors: UTP Connector: RJ-45, 10/100/100Base-T,
 - Fiber Connector: ST/SC/FC, 1000Base-FX
 - Cable:
 - UTP: Cat. 5 (the max distance up to 100m)
 - Dual-fiber Multi-mode: 550m (Fiber size: 62.5/125 μ m)/2Km (fiber size: 50/125 μ m)
 - Dual-fiber Single-mode: 20/40/60/80/100/120Km; Single-fiber Single-mode: 20/40/60/80Km.
 - Flow Control
 - Full Duplex: Supporting standard IEEE802.3
 - Half Duplex: back pressure
1. Ethernet Port
- Number Port: 4 Port
 - Compatible with IEEE 802.3 series Standards
 - Speed: 10/100/1000Mbps auto-negotiation
 - Duplex: Half/full auto-negotiation
 - Connectors: RJ45 Jack
 - MDI/MDI-X crossover automatically

2. Optical Port

- Wavelength: 850nm/1310nm/1550nm
- Speed: 1.25GB/s
- Single mode/Multimode Optional
- Up to 120km transmission distance
- SC/PC, ST/PC and FC/PC optional (Or SFP Slots)

3. Power

- Input DC: 5 VDC
- Consumption: Standalone < 1W

4. Power Adapter

- Input: 85VAC~265VAC, 0.2A, 50/60Hz
- Output: 5VDC, 1A

5. Environment

- Temperature: 5°C ~ 40°C;
- Humidity: 30% ~ 90% (25°C);

6. LEDs

- PWR, FDX, LINK, ACT, FX, TX 100

Information Order:

Type	Connector	Fiber type	Wavelength (Nm)	Max. distance	TX power (dBm)	Sensitivity	Link Budget
MODEL4000-SC-2	SC Duplex	Multi-mode	850	550m	-9~-4	-30dBm	17dBm
MODEL4000S-SC-20	SC Duplex	Single-mode	1310	20km	-10~-3	-32dBm	18dBm
MODEL4000S-SC-40	SC Duplex	Single-mode	1310	40km	-6~-1	-33dBm	25dBm
MODEL4000S-SC-60	SC Duplex	Single-mode	1550	60km	-2~+3	-36dBm	33dBm
MODEL4000S-SC-80	SC Duplex	Single-mode	1550	80km	-5~0	-35dBm	25dBm
MODEL4000S-SC-100	SC Duplex	Single-mode	1550	100km	-5~0	-36dBm	31dBm
MODEL4000S-SC-120	SC Duplex	Single-mode	1550	120km	0~+5	-36dBm	36dBm
MODEL4000SS-SC-25	SC Simplex	Single-mode	1310/1550	20km	-9~-3	-32dBm	18dBm
MODEL4000SS-SC-40	SC Simplex	Single-mode	1310/1550	40km	-8~-3	-33dBm	25dBm
MODEL4000SS-SC-60	SC Simplex	Single-mode	1490/1550	60km	-2~+3	-36dBm	33dBm
MODEL4000SS-SC-80	SC Simplex	Single-mode	1490/1550	80km	0~+5	-35dBm	25dBm

Due to continuous improvement, all products specifications are subject to change without further notice. Contact us for custom requirements. E-mail: Sales@zhtelecomm.com Website: www.zhtelecomm.com Tel: +86-01081593787 Fax: +86-01081593789