FAST ETHERNET MEDIA CONVETER
MODEL: MODEL1200 SERIAL

Overview:

MODEL1200 Series Fiber Media Converters Card can convert Optical-Electric Ethernet signals between 10/100M UTP interface (TX) and 100M optical fiber interface (FX). It can extend traditional 10/100M fast 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. 6 Group LED indicated lights could fully monitor the working conditions of Converters. It is easy for endusers to observe network operation. MODEL1200 Serial Media Converter Card could be used alone, them can inserted to 14 slots Converters Rack supplied by ZHT Crop (RACK2000-14). Suitable for the use of Network Centre...

Picture:

Main features:

- Auto negotiation function allows UTP port to auto select 10M or 100M, 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: IEEE802.3 10Base-T Ethernet, IEEE802.3u,100Base-TX/FX Fast Ethernet, IEEE802.3x Flow control
- MAC addresses table: 1K
- Data buffer: Built-in 128Kbyte RAM
- Connectors: UTP Connector: RJ-45, 10/100Base-T,
- Fiber Connector: ST/SC/FC, 100Base-FX
- Cable:
  - UTP: Cat. 5 (the max distance up to 100m)
  - Dual-fiber Multi-mode: 5m (Fiber size: 62.5/125µm)/2Km (fiber size: 50/125µm)
  - Dual-fiber Single-mode: 25/40/60/80/100/120Km; Single-fiber Single-mode: 25/40/60/80Km.
- Flow Control
  - Full Duplex: Supporting standard IEEE802.3x
  - Half Duplex: back pressure

1. **Ethernet Port**
- Number port: 2
- Compatible with IEEE 802.3 series Standards
- Speed: 10/100Mbps auto-negotiation
- Duplex: Half/full auto-negotiation
- Connectors: RJ45 Jack
- MDI/MDI-X crossover automatically

2. **Optical Port**
- Wavelength: 850nm/1310nm/1550nm
- 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

7. **Appearance**
- Dimensions: 94.0 x 71.0 x 26.0mm
- Shell: Iron
- Color: Black
- Weight: 240g

Information Order:

Type	Connector	Fiber type	Wavelength (Nm)	Max. distance	TX power (dBm)	Sensitivity	Link Budget
MODEL1200-SC-2	SC Duplex	Multi-mode	850	2Km	-13~-8	-30dBm	17dBm
MODEL1200S-SC-25	SC Duplex	Single-mode	1310	20km	-14~-8	-32dBm	18dBm
MODEL1200S-SC-40	SC Duplex	Single-mode	1310	40km	-8~-3	-33dBm	25dBm
MODEL1200S-SC-60	SC Duplex	Single-mode	1550	60km	--3~0	-36dBm	33dBm
MODEL1200S-SC-80	SC Duplex	Single-mode	1550	80km	-10~-5	-35dBm	25dBm
MODEL1200S-SC-100	SC Duplex	Single-mode	1550	100km	-5~0	-36dBm	31dBm
MODEL1200S-SC-120	SC Duplex	Single-mode	1550	120km	0~+3	-36dBm	36dBm
MODEL1200SS-SC-25	SC Simplex	Single-mode	1310/1550	20km	-14~-8	-32dBm	18dBm
MODEL1200SS-SC-40	SC Simplex	Single-mode	1310/1550	40km	-8~-3	-33dBm	25dBm
MODEL1200SS-SC-60	SC Simplex	Single-mode	1490/1550	60km	-3~0	-36dBm	33dBm
MODEL1200SS-SC-80	SC Simplex	Single-mode	1490/1550	80km	-10~-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

2