

FAST ETHERNET MEDIA CONVETER

MODEL: MODEL1100-SFP

Overview:

MODEL1100-SFP Fiber Media Converters can convert Optical-Electric Ethernet signals between 10/100M UTP interface (TX) and 155M SFP 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 end users to observe network operation. MODEL1100-SFP Serial Media Converter Card could not be used alone, them must inserted to 16 slots Converters Rack supplied by ZHT Crop (RACK2000-16). 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: 62.5/125 μ m)/2Km (fiber size: 50/125 μ m)
 - 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

- 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. SFP Port slot

- Fast Ethernet SFP
- Follow SFP

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: 220g

Information Order:

| Type | Connector | Fiber type | Wavelength (Nm) | Max. distance | TX power (dBm) | Sensitivity | Link Budget |
|---------------|-----------|------------|-----------------|---------------|----------------|-------------|-------------|
| MODEL1100-SFP | SFP Slot | | | | | | Follow SFP |

Accessories

| Part No. | Data Rate | Wavelength | Reach | TX | RX | Pout | s | Temperature |
|-------------|-----------|------------|-------|-----|------|-----------|---------|-------------|
| SFP-SX-1 | 155M | 1310nm | 2KM | FP | PIN | -15~-5dBm | <-30dBm | 0~70°C |
| SFP-LH-120 | 155M | 1310nm | 20KM | FP | 550M | -15~-8dBm | <-31dBm | 0~70°C |
| SFP-LH-140 | 155M | 1310nm | 40KM | FP | PIN | -15~-8dBm | <-31dBm | 0~70°C |
| SFP-LH-160 | 155M | 1310nm | 60KM | FP | PIN | -5~0dBm | <-34dBm | 0~70°C |
| SFP-ZX-180 | 155M | 1550nm | 80KM | DFB | PIN | -5~0dBm | <-31dBm | 0~70°C |
| SFP-ZX-1100 | 155M | 1550nm | 100KM | DFB | PIN | -3~+2dBm | <-34dBm | 0~70°C |
| SFP-ZX-1120 | 155M | 1550nm | 120KM | DFB | PIN | 0~+5dBm | <-34dBm | 0~70°C |
| SFP-ZX-1160 | 155M | 1550nm | 160KM | DFB | 550M | +2~+5dBm | <-35dBm | 0~70°C |

| Part No. | Data Rate | Wavelength | Reach | TX | RX | Pout | s | Temperature |
|---------------|-----------|-------------|-------|-----------|--------|-----------|---------|-------------|
| SFP-BIDI-110A | 155M | 1310/1550nm | 10KM | 1310nmFP | 1550nm | -14~-8dBm | <-33dBm | 0~70°C |
| SFP-BIDI-110B | 155M | 1550/1310nm | 10KM | 1550nmFP | 1310nm | -14~-8dBm | <-33dBm | 0~70°C |
| SFP-BIDI-120A | 155M | 1310/1550nm | 20KM | 1310nmFP | 1550nm | -14~-8dBm | <-33dBm | 0~70°C |
| SFP-BIDI-120B | 155M | 1550/1310nm | 20KM | 1550nmFP | 1310nm | -14~-8dBm | <-33dBm | 0~70°C |
| SFP-BIDI-140A | 155M | 1310/1550nm | 40KM | 1310nmFP | 1550nm | -8~-3dBm | <-33dBm | 0~70°C |
| SFP-BIDI-140B | 155M | 1550/1310nm | 40KM | 1550nmDFB | 1310nm | -8~-3dBm | <-33dBm | 0~70 |
| SFP-BIDI-160A | 155M | 1310/1550nm | 60KM | 1310nmFP | 1550nm | -5~0dBm | <-34dBm | 0~70°C |
| SFP-BIDI-160B | 155M | 1550/1310nm | 60KM | 1550nmDFB | 1310nm | -6~0dBm | <-34dBm | 0~70°C |
| SFP-BIDI-180A | 155M | 1310/1550nm | 80KM | 1310nmFP | 1550nm | -2~+3dBm | <-34dBm | 0~70°C |
| SFP-BIDI-180B | 155M | 1550/1310nm | 80KM | 1550nmDFB | 1310nm | -3~+2dBm | <-34dBm | , -40~85°C |

Due to continuous improvement, all products specifications are subject to change without further notice.
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