



FOT01-S Optical Fiber Converter

Specification V3.0

Shenzhen Mooncell Electronics Co., Ltd

1 Product Overview

Product Introduction

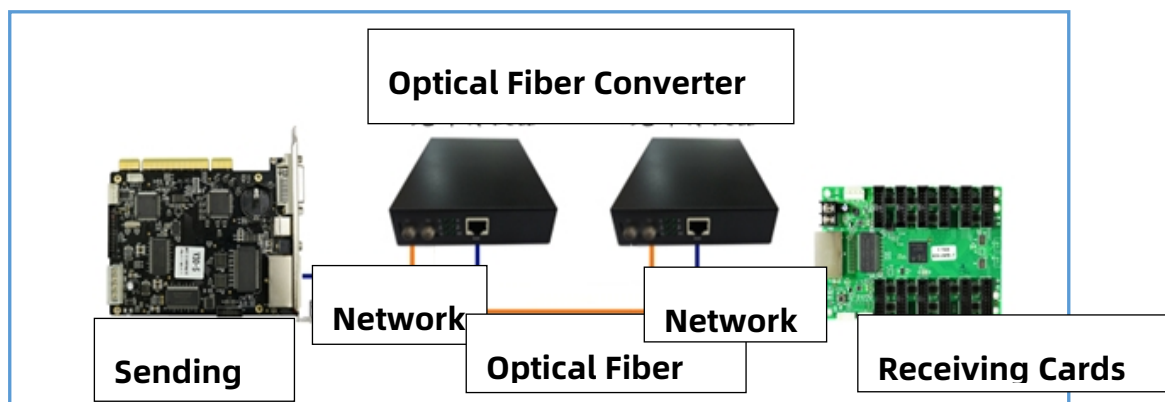
FOT01-S is a cost-effective optical fibre converter launched by Mooncell. It performs mutual conversion between optical signals and electrical signals between the sending card/main control/video processor and the receiving card. Full-duplex high-efficiency and stable data transmission is suitable for scenarios of long-distance signal transmission. It has 1 physically isolated 1000Mbps full-duplex RJ45 ports. Using high-speed TDM technology, each network occupies a separate gigabit transmission channel, thus completely eliminating the mutual crosstalk of various subsystems in the monitoring system, and is suitable for long-distance transmission of various data such as high-definition video signals.

Product Features

- 1*optical fiber interfaces, 1* network cable interface.
- There's no need for any driver, no need to set up, just connect to use.
- Support link failure alarm, wide operating temperature range
- Support port and power lightning protection
- Adopt single-mode/dual-core SC interface

Application Scenarios

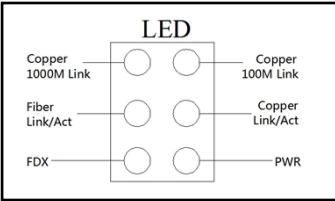
It is applied to the scene of long-distance transmission of signals.



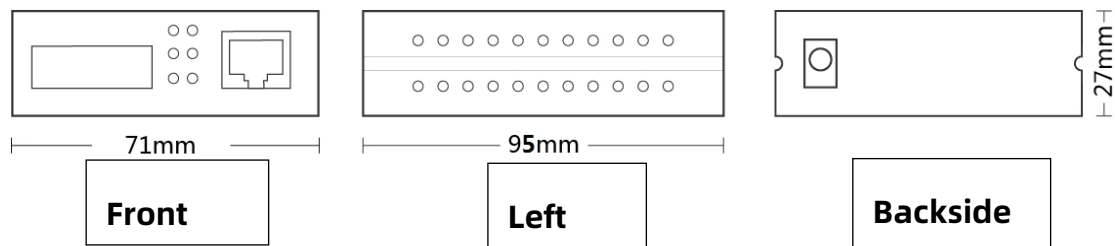
2 Product Parameters

Hardware Introduction



| | | |
|---------------|--|--|
| Interface | 1*100/1000 Base-T +1* 1000 Base-X | |
| Power Port | DC Port (2.5mm) | |
| LED Indicator | <div> <div> PWR: Power Status Indicator FDX: Electric port working mode indicator light Fiber Link/Act: Optical port link status indicator Copper Link/Act: Electrical port link status indicator </div> <div> <p>LED</p>  </div> </div> | |
| Fiber | SC | |

Dimensions



3 Product Specifications

| | |
|------------------------|---|
| Twisted Pair | 0-100m (CAT5e,CAT6) |
| Single Mode fiber(Dual | 20KM |
| Input Voltage | DC5.0V |
| Power Consumption | ≤1.5W |
| Operation Temperature | -30°C~+70°C |
| Storage/Transport | -40°C~+70°C |
| Relative humidity | 5%~95% No condensing |
| Cooling method | Fan-less design, natural heat dissipation |
| Dimensions | 95*71*27mm (LxWxH) |
| Installation method | desktop installation |
| Net Weight | 0.2KG |
| Accessories | The fibre equipment, certificate, manual, dust plug, power adapter. |

Precautions

- **High voltage danger:** The working voltage of this product is AC -100V ~ 240V.
- It is forbidden to immerse conductive objects such as liquid and metal fragments into the equipment to avoid safety accidents.
- Please use the device in a dry and clean environment