



# **FOT01**    Optical Fiber Converter

## Specification V3.0

Shenzhen Mooncell Electronics Co., Ltd

# **1 Product Overview**

## **Product Introduction**

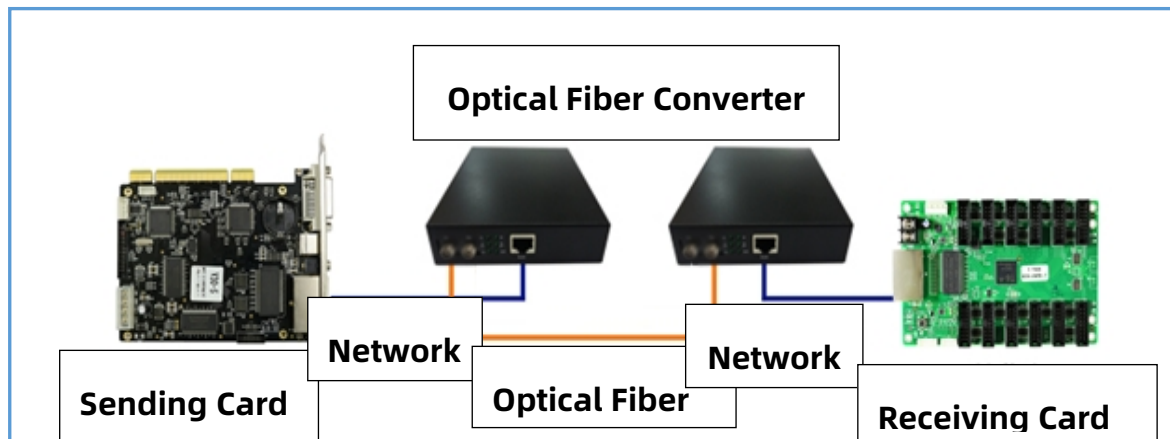
FOT01 is a cost-effective optical fibre converter launched by Mooncell. It performs mutual conversion between optical signals and electrical signals between the sending card/main control/video processor and the receiving card. Full-duplex high-efficiency and stable data transmission is suitable for scenarios of long-distance signal transmission. It has 1 physically isolated 1000Mbps full-duplex RJ45 port. 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.

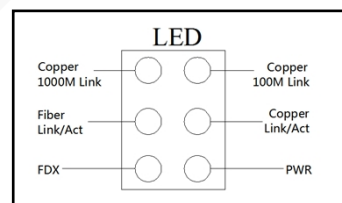


## 2 Product Parameters

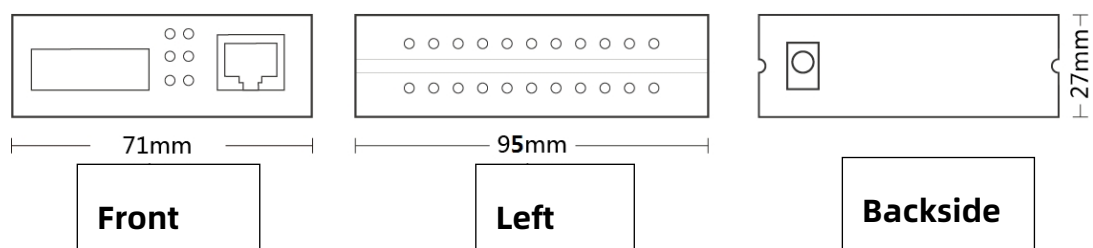
### Hardware Introduction



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

## 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**