

*Shenzhen Mooncell Electronics Co., Ltd*

## *FOT04 Optical Fiber Converter Series*

### *FOT04 Product Specifications*



# 1 Product Overview

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## Product Introduction

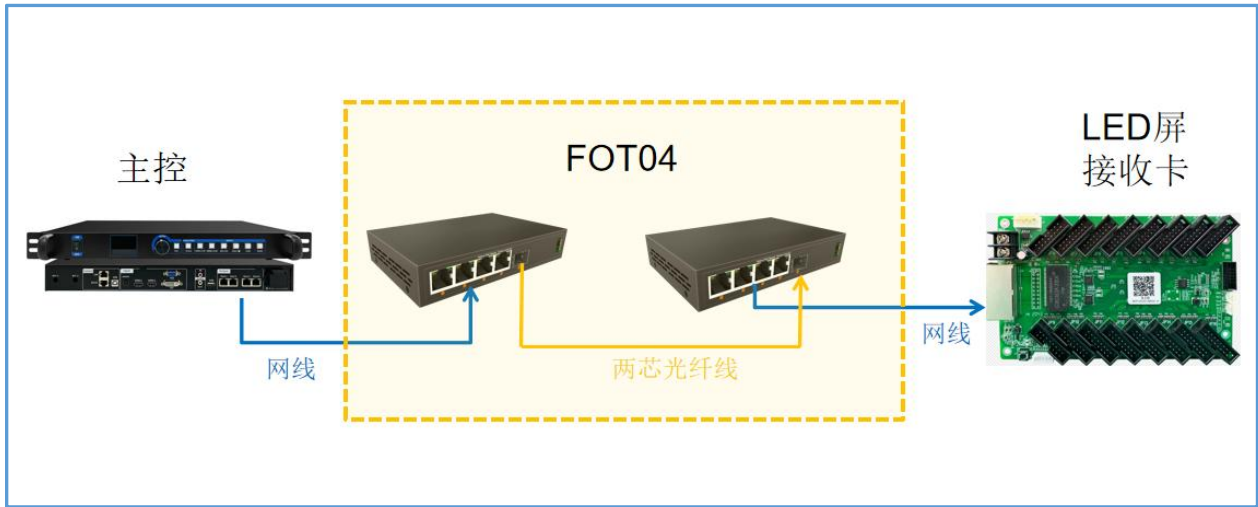
FOT04 is a cost-effective optical fibre converter launched by Mooncell. It performs mutual conversion between optical signals and electrical signals between the sending card/main control/video processor and the receiving card. Full-duplex high-efficiency and stable data transmission is suitable for scenarios of long-distance signal transmission. It has 4 physically isolated 1000Mbps full-duplex RJ45 ports and 1x 10G SFP+ optical 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, factory-configured optical fiber module, the bandwidth of a single optical fiber interface is 10Gbit/s
- Fiber module supports hot swap(plug and play)
- 4x Gigabit Ethernet ports, with a single Ethernet port bandwidth of 1Gbit/s
- The serial number of the optical fiber converter (sender) and the optical fiber converter (receiver) correspond to the connection of the network port, and the connection is easy.
- Each network occupies a separate Gigabit transmission channel and does not interfere with each other
- There's no need for any driver, no need to set up, just connect to use.

## Application Scenarios

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



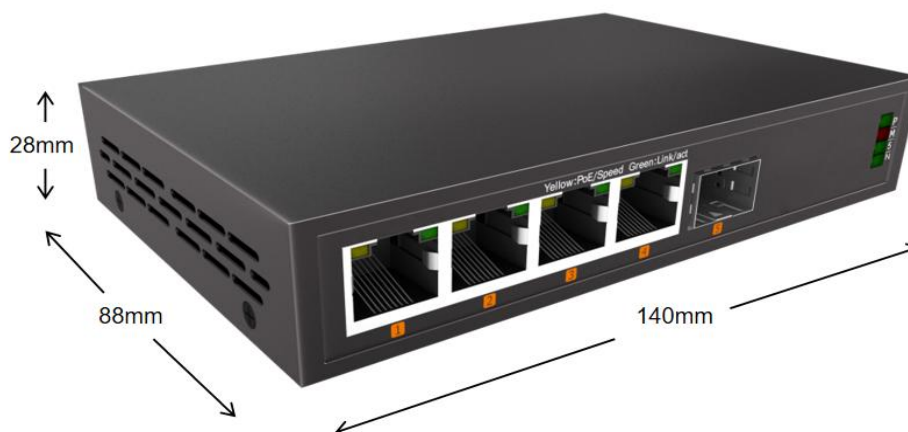
## 2. Product Parameters

### Hardware Introduction



Interface	
Interface	4*100/1000 Base-T +1* 10GBase-X
Power Port	DC Port (2.5mm)
LED Indicator	P: Power Status Indicator M: Chip read and write abnormal alarm 9: Link/act link status indicator for port 9 N: When the device has only 9 ports: this light is always off
Fiber interface	LC
Watchdog	Supported

## Dimensions



# 3. Product Specifications

## Specifications

Twisted Pair	0-100m (CAT5e,CAT6)
Single Mode fiber(Dual Core)	20/40/60/80/100KM
Input Voltage	DC5-16V
Power Consumption	≤5W
Operation Temperature	-30°C~+70°C
Storage/Transport Temperature	-40°C~+70°C
Relative humidity	5%~95% No condensing
Cooling method	Fan-less design, natural heat dissipation
Dimensions	140*88*28mm (LxWxH)
Installation method	desktop installation
Net Weight	0.3KG
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.