



*Shenzhen Mooncell Electronics Co., Ltd*

## *Optical Fiber Converter Series*

### *FOT16-M Product Specifications*

# *Updates History*

<i>File Version</i>	<i>Released Date</i>	<i>Updates Records</i>
<i>V3.0</i>	<i>15/08/2024</i>	<i>First Edition</i>

# 1 Product Overview

## Product Introduction

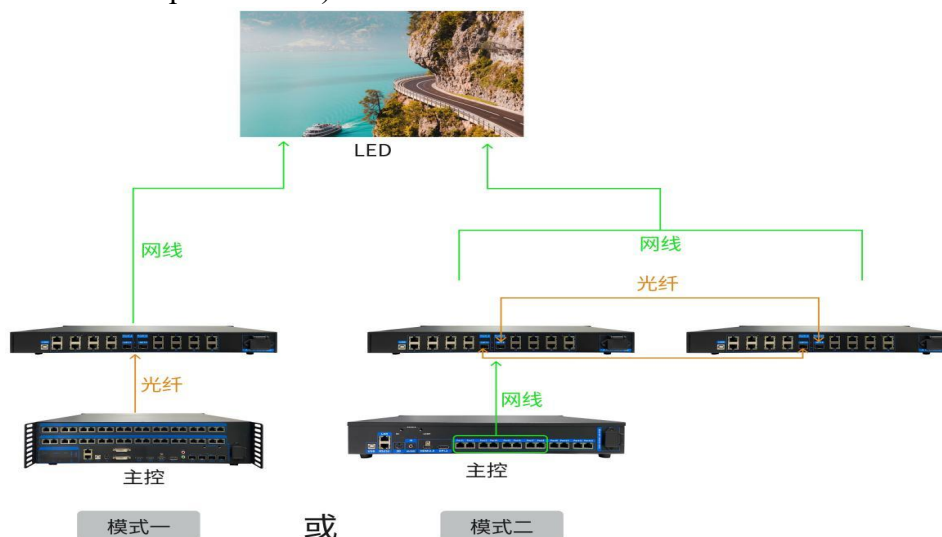
FOT16-M is a cost-effective optical fibre converter launched by Mooncell. It performs mutual conversion between optical signals and electrical signals between the sending card/main control/video processor and the receiving card. Full-duplex high-efficiency and stable data transmission is suitable for scenarios of long-distance signal transmission.

## Product Features

- 2\*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)
- 16 Gigabit Ethernet ports, with a single Ethernet port bandwidth of 1Gbit/s
- One optical fiber interface corresponds to 8 Gigabit Ethernet ports, the first optical fiber interface corresponds to 1~8 Ethernet ports, and the second optical fiber interface corresponds to 9~16 Ethernet ports. The optical fiber interfaces work independently and do not interfere with each other.
- 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.
- 2U chassis, easy to install
- The optical fiber interface does not need to be set, and the optical signal transceiver function is adapted according to the connection of the optical fiber and network cable.

## Application Scenarios

It is applied to the scene of long-distance transmission of signals. (When the sending card/master controller has no fiber-optic module)



## 2. Product Parameters

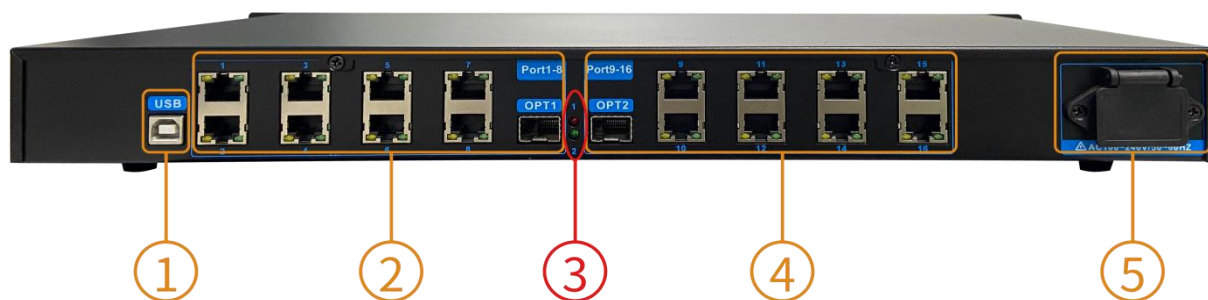
### Hardware Introduction



### Front Side

Illustration		
#	Name	Illustration
1	On/Off	Equipment power switch, AC-100-240V~50/60HZ

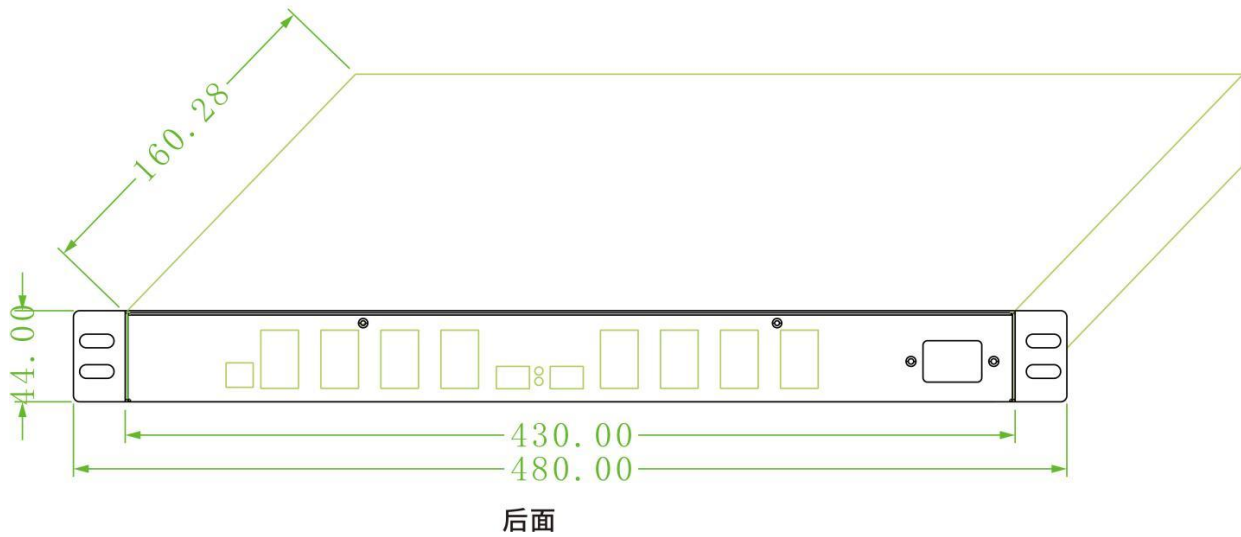
### Back Side



Back Side Panel Illustration		
Interface	QTY	Illustration
USB	1	Connect to the computer
Gigabit Ethernet Port	1-8	<ul style="list-style-type: none"> <li>● Single Port Bandwidth:10Gbit/s</li> <li>● OPT1 corresponds to Port1~Port8</li> </ul>
Gigabit Ethernet Port	9-16	<ul style="list-style-type: none"> <li>● Single Port Bandwidth:10Gbit/s</li> <li>● OPT2 corresponds to Port9~Port16</li> </ul>
Indicator	2	<ul style="list-style-type: none"> <li>● 1: When the indicator light is Long Lasting On, the OPT1 fiber optic interface connection is normal.</li> <li>● 2: When the indicator light is Long Lasting On, the OPT2 fiber optic interface connection is normal.</li> </ul>

## Dimensions

### FOT16-M



# 3. Product Specifications

## Specifications

Electric Parameters	Input Voltage	AC-100-240V-50/60HZ
	Rated Power	10W
Operating Environment	Operating Temperature	-20°C - 70°C
	Operating Humidity	10%RH-90%RH
Dimensions	480mmX160.28mmX44mm (LxWxH)	
Net Weight	2.89kg	
Packaging Info	Accessories:1×USB Cable、 1×Power Cable、 1×Certificate、 2×Optical fibre modules (Mounted on fiber optic interface) ,1 × LC-LC fiber cable	
	Carton Dimensions:515×130×355mm	
Single-mode fiber (dual core)	20KM	
Fiber Interface	LC	

## 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.