Mooncell

FOT16-M Optical Fiber Converter

Specification V3.0

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)
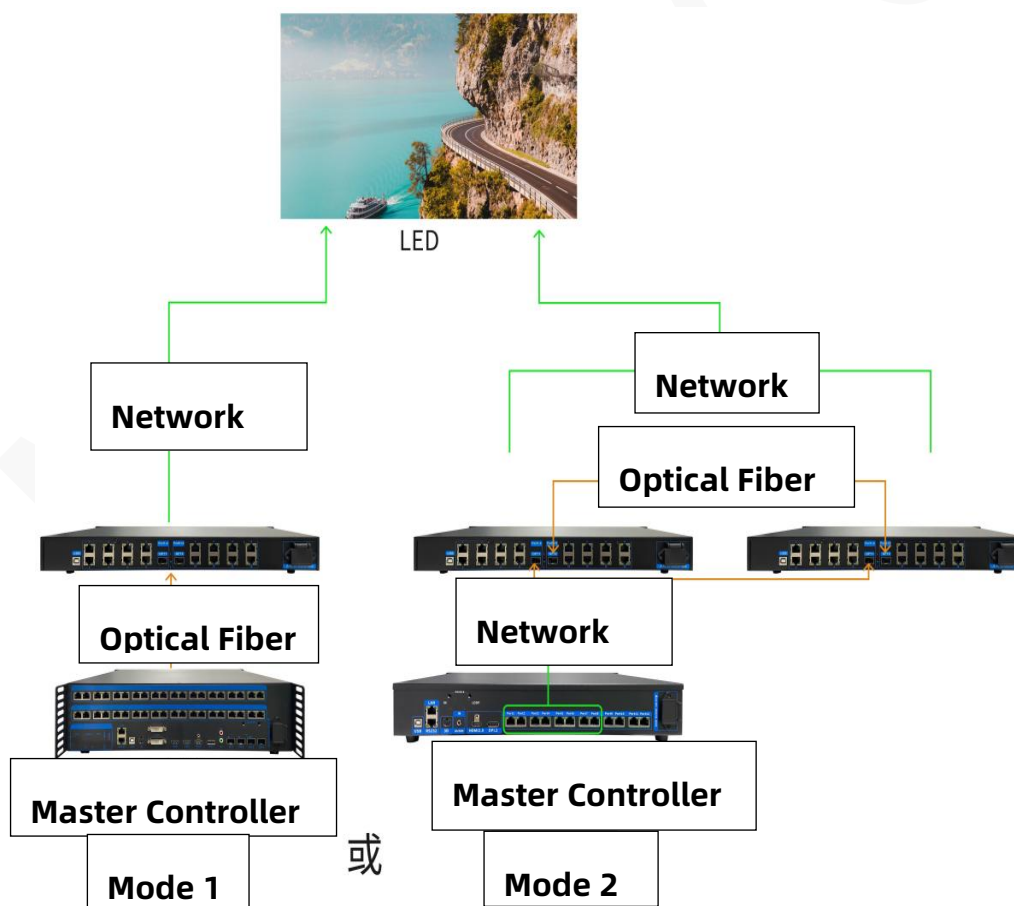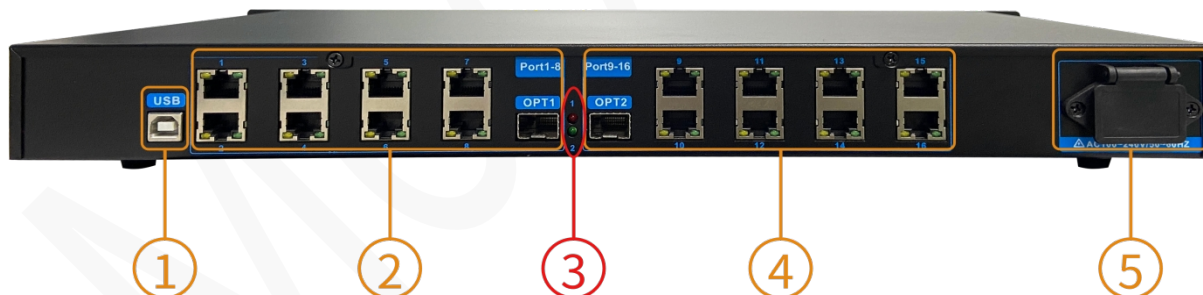
2 Product Parameters

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	QT	Illustration
USB	1	Connect to the computer
Gigabit Ethernet Port	1-8	Single Port Bandwidth:10Gbit/s OPT1 corresponds to Port1~Port8
Gigabit Ethernet Port	9-16	Single Port Bandwidth:10Gbit/s OPT2 corresponds to Port9~Port16

Indicator	2	1: When the indicator light is Long Lasting On, the OPT1 fiber optic interface connection is normal. 2: When the indicator light is Long Lasting On, the OPT2 fiber optic interface connection is normal.

Dimensions

FOT16-M
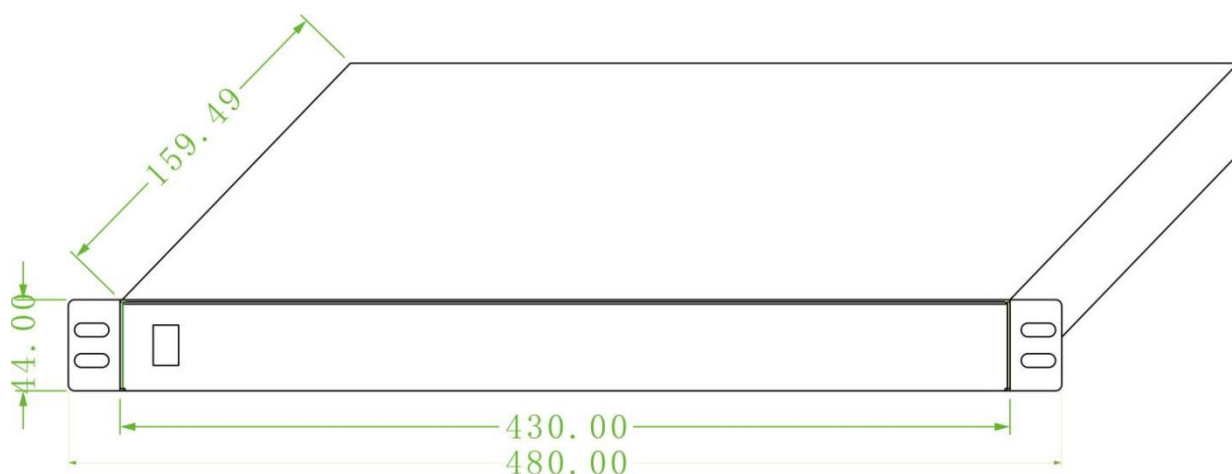
FRONT SIDE
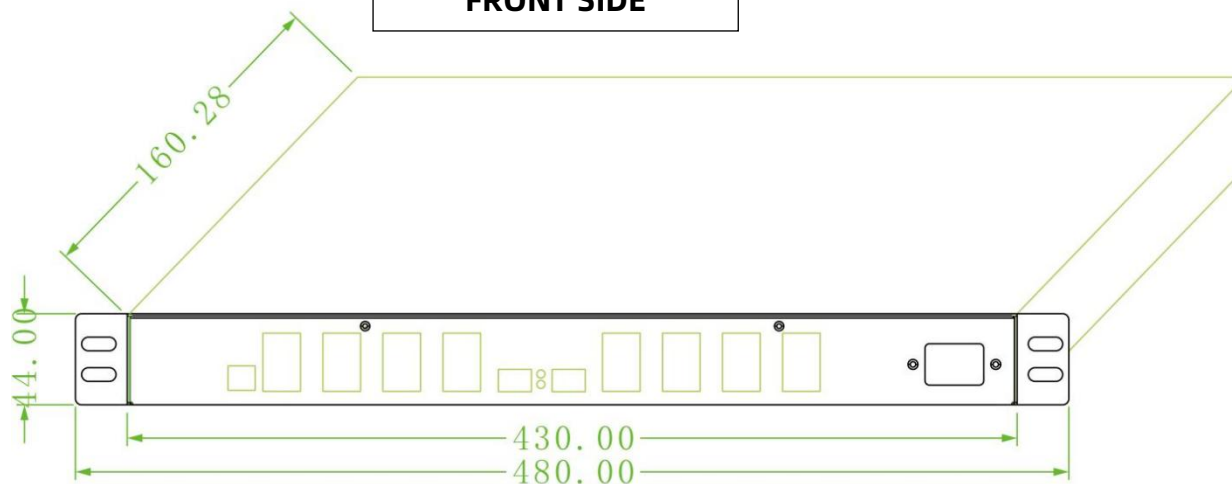
BACK SIDE

3 Product Specifications

Specifications

Electric Parameters	Input Voltage	AC-100-240V-50/60HZ
	Rated Power	10W
Operating Environment	Operating Temperature	-20℃ - 70℃
	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.**