



Shenzhen Mooncell Electronics Co., Ltd

FOT16 Optical Fiber Converter

FOT16 Product Specifications

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Updates History

<i>File Version</i>	<i>Released Date</i>	<i>Updates Records</i>
<i>V3.0</i>	<i>16/02/2022</i>	<i>First Edition</i>
<i>V3.1</i>	<i>17/03/2022</i>	<i>Delete the connection diagram of the application when the sending card/master has a fiber optic module, this function is not supported at the moment</i>

1 Product Overview

Product Introduction

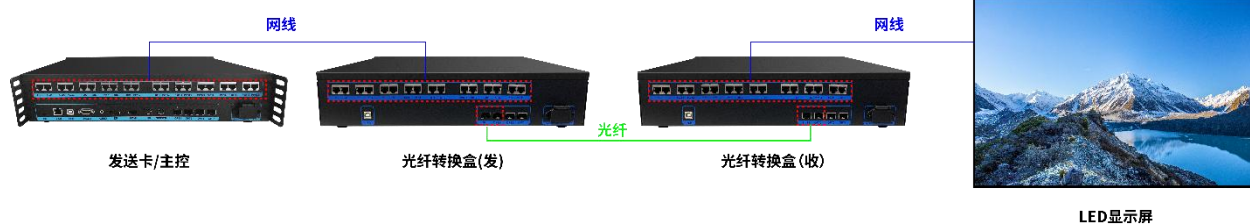
FOT16 is a cost-effective optical fibre converter launched by Mooncell. It performs mutual conversion between optical signals and electrical signals between the sending card/main control/video processor and the receiving card. Full-duplex high-efficiency and stable data transmission is suitable for scenarios 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.*
- *1 * USB (Type B) control interface*

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

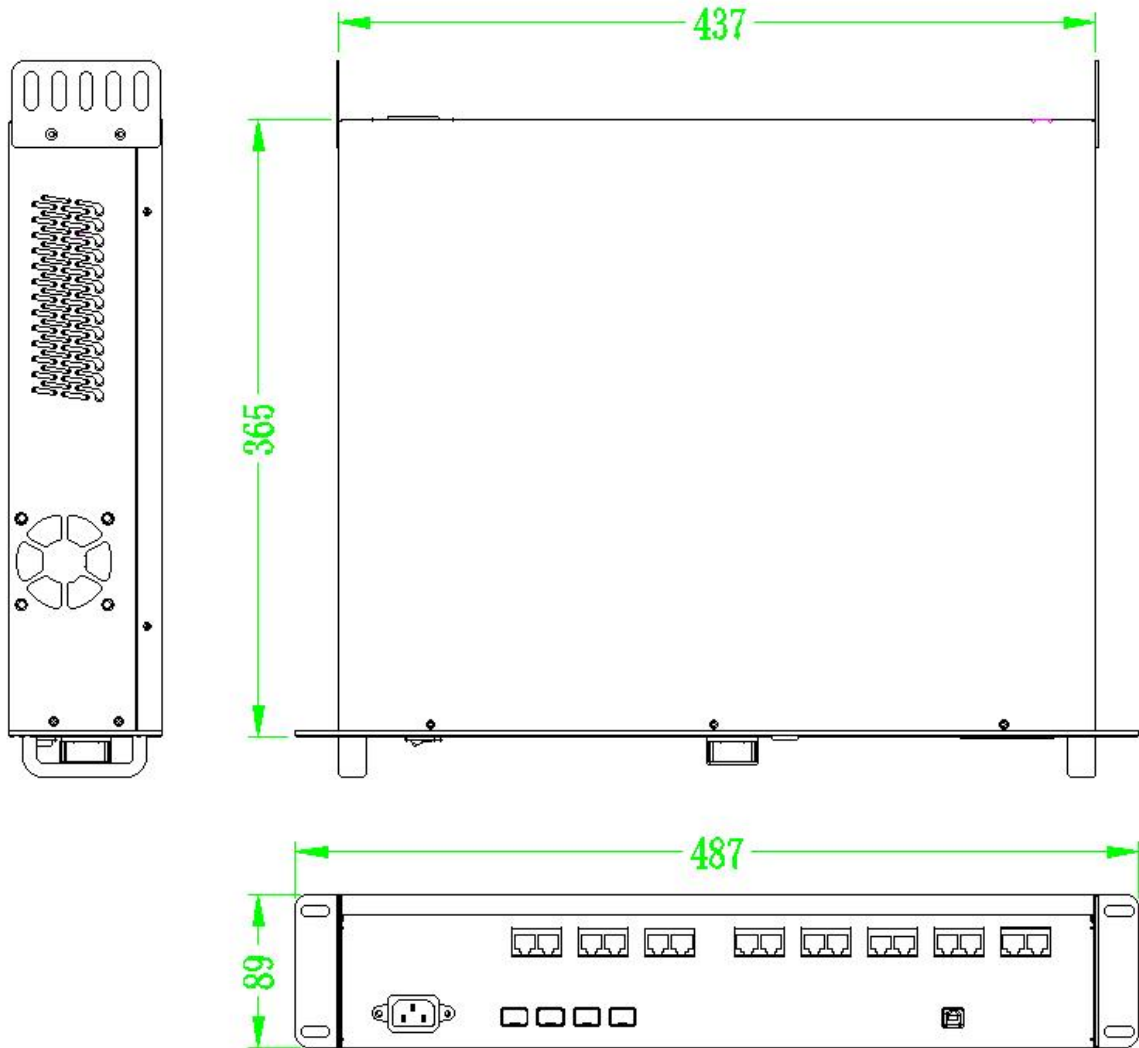
<i>Illustration</i>		
#	Name	Illustration
1	On/Off	Equipment power switch
2	LCD	Used to display the current state of the device and set menu item
3	Knob	In the main interface, press the knob to enter the menu operation interface
		In the menu operation interface, turn the knob to select the menu, press the knob to select the current menu or enter the sub-menu
4	ESC	Exit the current menu or action.

Back Side



Back Side Panel Illustration		
Interface	Q	Illustration
USB	1	Connect to the computer
Gigabit Ethernet Port	16	Port1~Port16, Single Port Bandwidth:1Gbit/s
Optical Fibre Ports	4	<ul style="list-style-type: none"> ● Single Port Bandwidth:10Gbit/s ● OPT1 corresponds to Port1~Port8, OPT2 corresponds to Port9~Port16 ● OPT3/OPT4 can not be used

Dimensions



3. Product Specifications

Specifications

<i>Electric Parameters</i>	<i>Input Voltage</i>	<i>AC-100-240V-50/60HZ</i>
	<i>Rated Power</i>	<i>70W</i>
<i>Operating Environment</i>	<i>Operating Temperature</i>	<i>-20°C - 70°C</i>
	<i>Operating Humidity</i>	<i>10%RH-90%RH</i>
<i>Dimensions</i>	<i>487mmX365mmX89mm (LxWxH)</i>	
<i>Net Weight</i>	<i>6.2kg</i>	
<i>Packaging Info</i>	<i>Accessories: 1 × USB Cable, 1 × Power Cable, 1 × Certificate, 2 × Optical fibre modules (Mounted on fiber optic interface)</i>	
	<i>Carton Dimensions: 565 × 445 × 185mm</i>	

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.*