Mooncell

Shenzhen Mooncell Electronics Co., Ltd

FOT08 Optical Fiber Converter

FOT08 Product Specifications

Content

Updates History

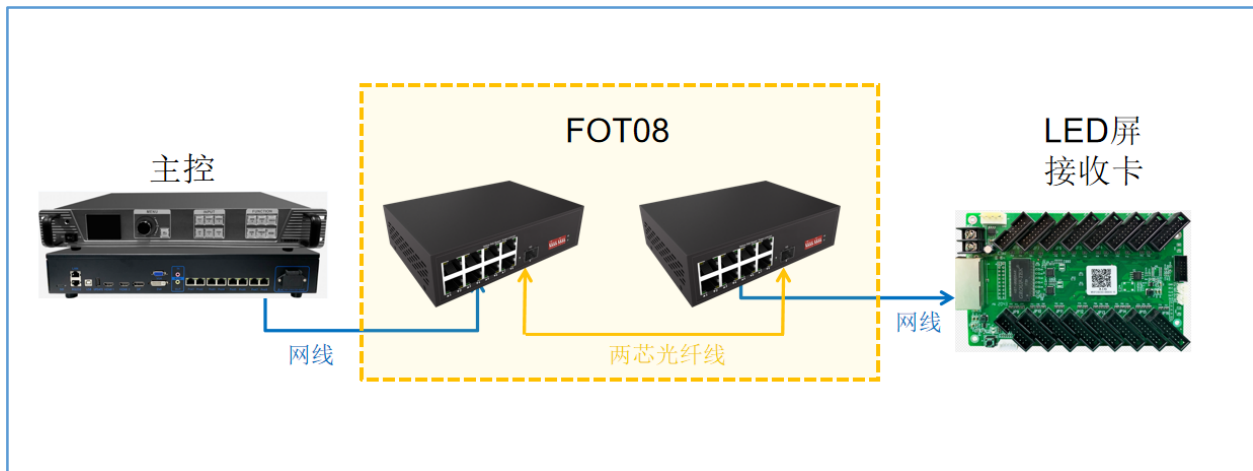| File Version	Released Date	Updates Records
V3.0	12/10/2022	First Edition

1 Product Overview

Product Introduction

FOT08 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 8 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)*
- ➢ *8x 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

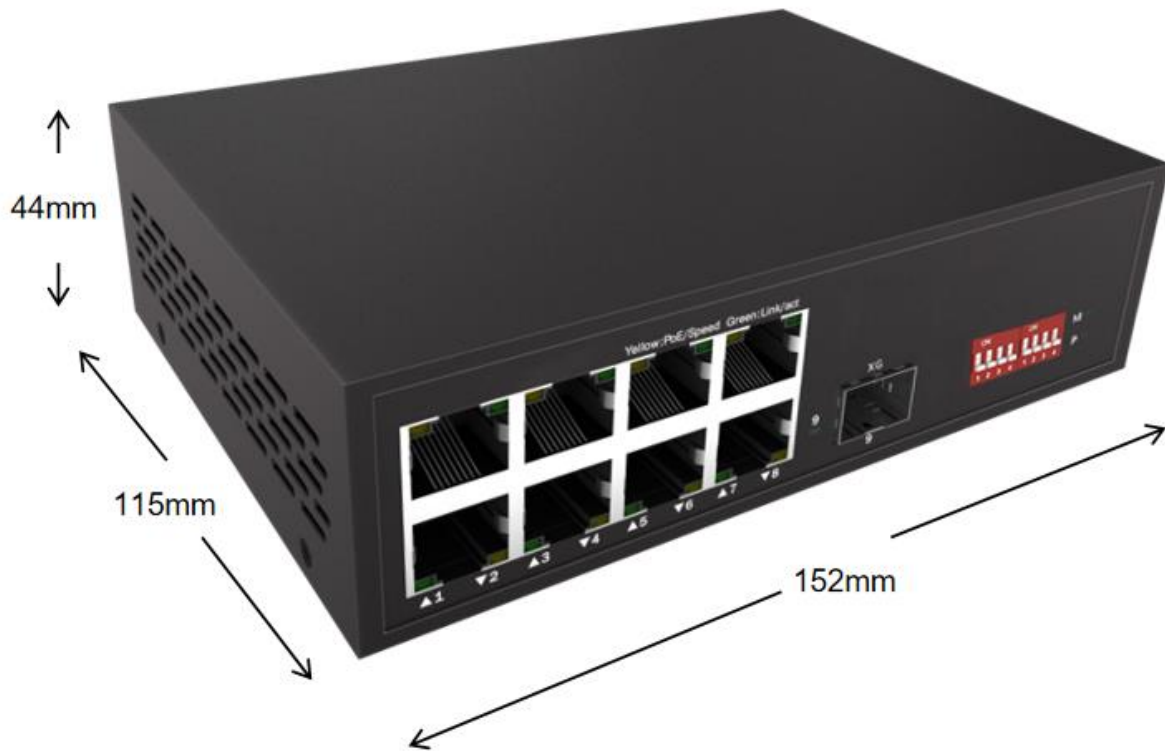*It is applied to the scene of long-distance transmission of signals.*

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2.Product Parameters

Hardware Introduction

Interface	
Interface	8*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）	*20KM*
Input Voltage	*DC5-16V*
Power Consumption	*≤5W*
Operation Temperature	*-30℃~+70℃*
Storage/Transport Temperature	*-40℃~+70℃*
Relative humidity	*5%~95% No condensing*
Cooling method	*Fan-less design, natural heat dissipation*
Dimensions	*152*115*44mm（LxWxH）*
Installation method	*desktop installation*
Net Weight	*0.6KG*
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.*

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