FOT04 Optical Fiber Converter

Specification V3.0

Shenzhen Mooncell Electronics Co., Ltd

1 Product Overview

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.
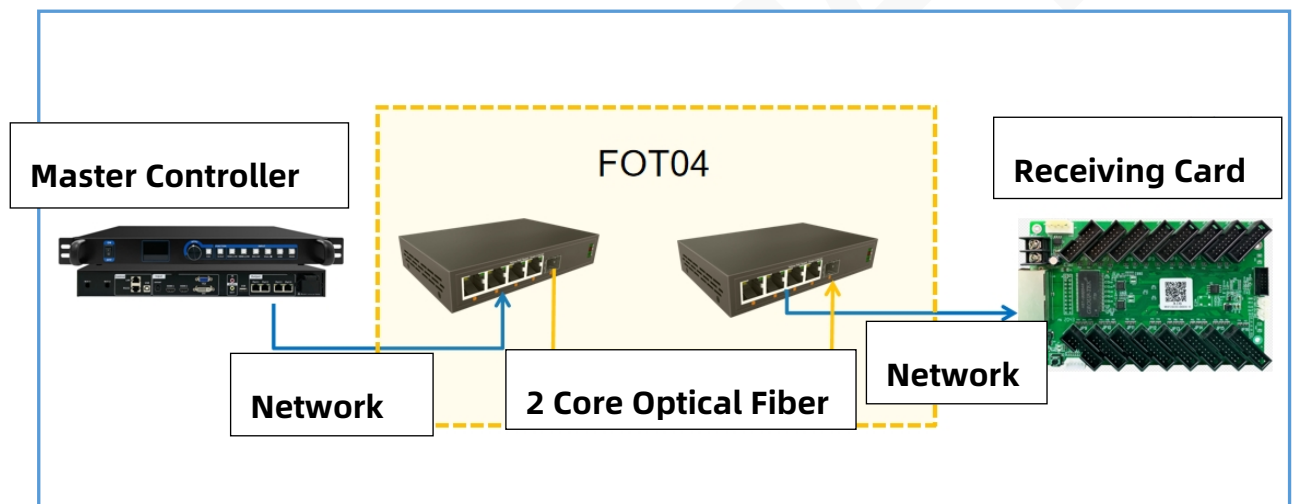
Product Features

➢ **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

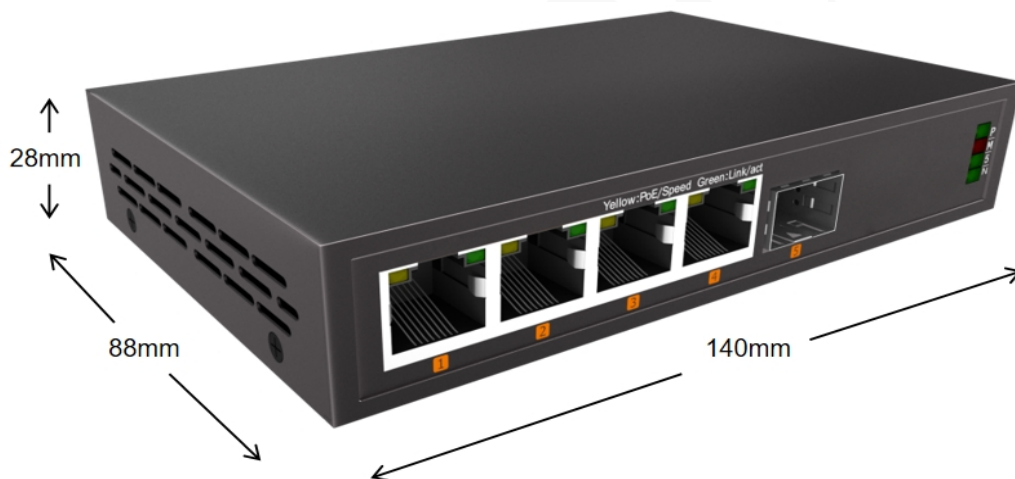**It is applied to the scene of long-distance transmission of signals.**

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
Fiber interface	LC
Watchdog	Supported

Dimensions

3 Product Specifications

Specifications

Twisted Pair	0-100m（CAT5e,CAT6）
Single Mode fiber(Dual	20/40/60/80/100KM
Input Voltage	DC5-16V
Power Consumption	≤5W
Operation Temperature	-30℃~+70℃
Storage/Transport	-40℃~+70℃
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.**