

## 100M fiber optic transceiver



### UT-N60FS11 series

### 1-port 100M network fiber optic transceiver



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- Adopt high-quality opto-electronic integrated modules to provide good optical and electrical characteristics, to Ensure reliable data transmission and long lifecycle.
- Support one 155Mbps optical port and one 10/100Mbps adaptive electrical port;
- Adopt high-quality optoelectronic integrated modules to provide good optical and electrical characteristics to ensure reliable transmission and long life;
- Support MAC address automatic learning and automatic update function and the operation mechanism of data storage and forwarding;
- Support flow control mode: Full-duplex adopts IEEE 802.3X, half-duplex adopts back pressure method;
- Provide status indicator light, external power supply (output 5V~50HZ 1A);
- Adopt a unique integrated circuit solution, the chip temperature rise is low, get rid of the heat dissipation system, realize flow control, and reduce broadcast storms
- Ultra-low power consumption less than 2.5W (Input: AC140~260V), low heat generation, and can work stably for a long time;



## OVERVIEW

UT-N60FS11 series is a 100M self-adaptive Fast Ethernet fiber optic transceiver, supporting one 155Mbps fiber optic interface and one 10/100Base-TX self-adaptive Ethernet RJ45 interface. The product design conforms to the Ethernet standard, with lightning protection and anti-static protection measures, a wide range of operating temperature from -20 ° C to 70 ° C, and stable and reliable performance. The device can be widely used in various industries such as intelligent buildings, smart cities, intelligent transportation, telecommunications, security, electric power and coal.

## SPECIFICATION

Item	UT-N60FS11series
Product Name	1-port 100M network fiber optic transceiver
<b>Hardware Specification</b>	
<b>Interface</b>	
RJ45 Port	1*10/100base-TX RJ45(Auto-MDI/MDI-x)
Fiber Port	1*100Base-FX port (optional SC, ST, FC, SFP interface)
<b>LED Indicators</b>	
Power Indicator	PWR indicator light (on: the power supply is working normally, off: no power supply or failure)
Optical Port Status Indicator	SD LINK/ACT indicator (on: the optical port connection is normal, flashing: the optical port communication is normal)
Optical Port Rate Indicator	FX indicator (On: the rate of the optical port is 100Mbps)

Electrical Port Rate Indicator	100 indicator lights (On: the electrical port rate is 100Mbps)
Electrical Port Mode Indicator	FDX LINK/ACT indicator (On: full-duplex working mode, off: half-duplex working mode)
Electrical Port Status Indicator	TX indicator (On: electrical port connection is normal)

**Transmission Distance**

CAT5 Twisted Pair	100m
Multimode Dual Fiber	550m
Single-Mode Dual-Fiber	25/40/60/80/100Km
Single Mode Single Fiber	25/40/60/80Km

**Exchange Performance**

Transmission Method	store and forward
MAC Address	1k
Cache	1Mbit
Switching Delay	<10us

**Power Requirements**

Power Supply	DC 5V1A
Power Consumption	<2.5W

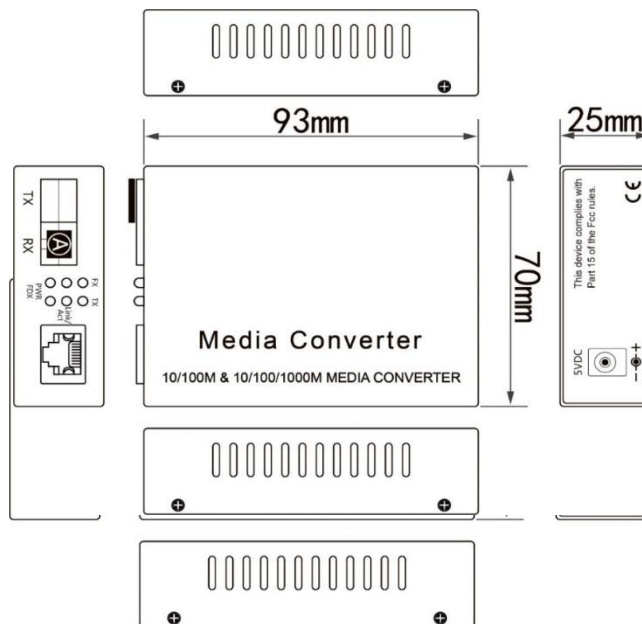
**Operating Environment**

Operating Temperature	-20~70°C
Operating Humidity	-20~70°C
Storage Temperature	5%~90%
Storage Humidity	5%~90% (no condensation)

**Mechanical Characteristics**

Dimensions	93*70*25mm (L * W * H)
Weight	0.2kg (bare metal)
Installation Method	desktop installation
Heat Dissipation Method	Natural cooling, no fan

Dimensions



**ORDERING**

Model	Interface		Optical port
	10/100 Base-TX	100Base-FX	
UT-N60FS11P	1	1	SFP slot
UT-N60FS11MC	1	1	Multi-mode dual-fiber SC
UT-N60FS11SC	1	1	Single mode dual fiber SC
UT-N60FS11SCA/UT-N60FS11SCB	1	1	Single mode single fiber SC