100M fiber optic transceiver

UT-N60FS12 series

2-port 100M network fiber optic transceiver

UTEK TECHNOLOGY

- Support one 155Mbps optical port and two 10/100Mbps adaptive electrical ports;
- 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 2A);
- 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-N60FS12 series is a 100M adaptive Fast Ethernet fiber optic transceiver, supporting one 155Mbps fiber optic interface and two 10/100 Base-TX adaptive Ethernet RJ45 interfaces. 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-N60FS12 series
Product Name	2-port 100M network fiber optic transceiver
Hardware specification	
Interface	
RJ45 Port	2*10/100base-TX RJ45(auto-MDI/MDI-x)
Fiber Port	1*100Base-FX port (optional SC, ST, FC, SFP interface)
LED indicators	
Power Indicator	PWR indicator light (On: The power supply is working normally, off: No power supply or failure)
Electrical Port Mode	Yellow light LINK/ACT (On: Electrical port connection is normal)
Indicator	Blue light LINK/ACT (Flash: Electrical port communication is normal)
Optical Port Status Indicator	FX indicator light (On: Optical port connection is normal)
Transmission distance	

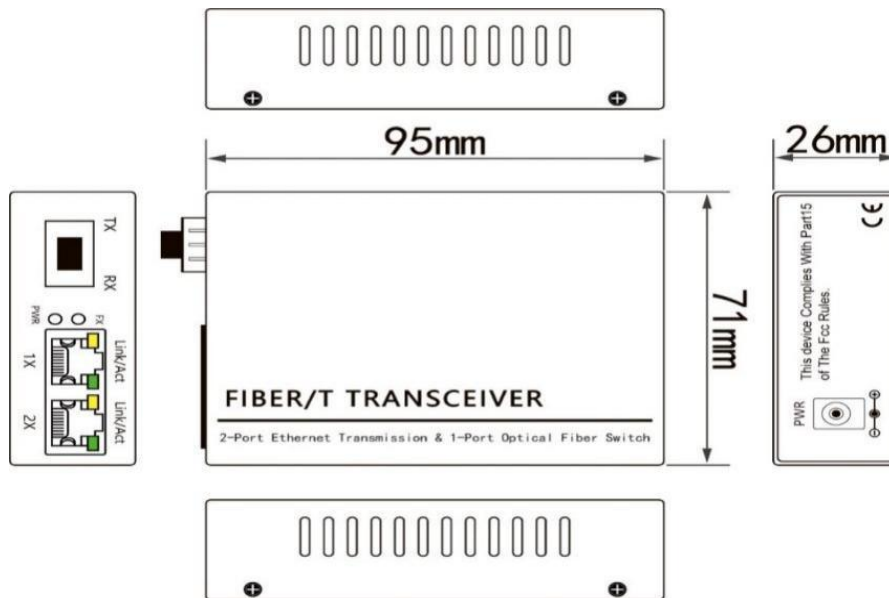| CAT5 Twisted Pair	100m
Multimode Dual Fiber	550m
Single-Mode Dual-Fiber	25/40/60/80/100Km
Single Mode Single Fiber	25/40/60/80Km
Exchange performance	
Transmission Method	Store and forward
MAC Address	1k
Cache	1Mbit
Switching Delay	<10us
Power requirements	
Power Supply	DC 5V2A
Power Consumption	<2.5W
Operating environment	
Operating Temperature	-20~70℃
Operating Humidity	-20~70℃
Storage Temperature	5%~90%
Storage Humidity	5%~90% (no condensation)
Mechanical characteristics	
Dimensions	93*70*25mm (L * W * H)
Weight	0.25kg (bare metal)
Installation Method	Desktop installation
Heat Dissipation Method	Natural cooling, no fan

Dimensions

ORDERING

Your Reliable Partner in Industrial IoT

Model	Interface		Optical port
	10/100 Base-TX	100Base-FX	
UT-N60FS12P	2	1	SFP slot
UT-N60FS12MC	2	1	Multi-mode dual-fiber SC
UT-N60FS12SC	2	1	Single mode dual fiber SC
UT-N60FS12SCA/UT-N60FS12SCB	2	1	Single mode single fiber SC

Note:

If the product is added with "A" (transmitter) or "B" (receiver) at the back, it is a single-fiber optical transceiver. For example, UT-N60FS12SCA refers to single-mode single-fiber, SC interface, 20KM.