

# Gigabit Ethernet Converter UOF7201GE





## UOF7201GE

**Product:** Gigabit Ethernet Converter

**Model:** UOF7201GE

**Description:** It is gigabit ethernet fiber optic transmission equipment which can converter between two different network cable and optical fiber transmission medium. Support 10/100/1000Mbps network bandwidth. This product can be used in pair and also can be used with other equipment. It is widely used in surveillance, home network fiber, etc.



**【Certification】**



**【Features】**

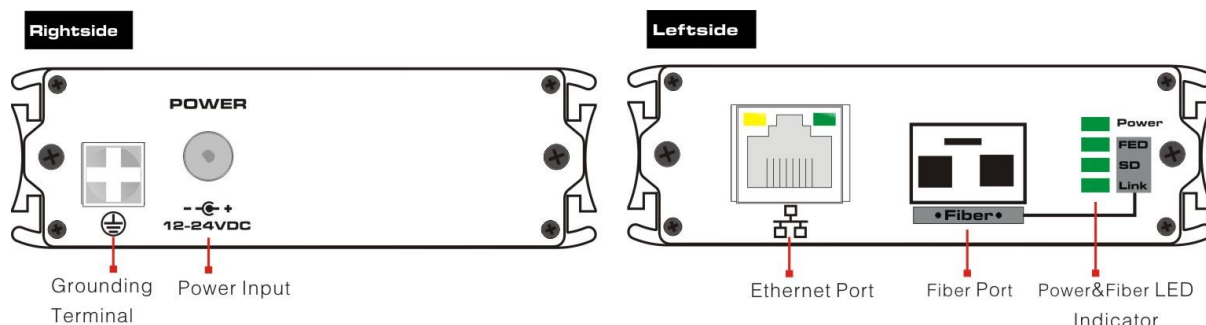
1. Provide 1000Mbps 1 fiber optic port and 1 Ethernet port which can converter between 10/100/1000BASE-TX and 1000BASE-FX;
2. Using SFP optical module, support hot plug and different performance SFP optical module optional;
3. Compatibility with IEEE 802.3, IEEE 802.3u, IEEE802.3ab/z, and Ethernet standard of 10/100/1000BASE-TX and 1000BASE-FX;
4. Support 10/100/1000Mbps full/half duplex automatic adaptation, support automatic MDI/MDIX.

**【Specification】**

	<b>Item</b>	<b>Description</b>
Power	Power Supply	Power Adapter
	Voltage Range	DC12V-24V
	Consumption	<3W
Ethernet Port	Ethernet Port	LAN Port: 10/100/1000Mbps

	Transmission Distance	LAN port: 0-150m
Fiber Port	Fiber Port	LC Port, SFP Optical Module, Single Fiber or Dual Fiber Optional
	Bandwidth	1.25Gbps
	Transmission Distance	20km, 40km, 60km, 80km, 120km Depend on SFP module performance
Network Standard	Compatible with	IEEE802.3, IEEE802.3u, IEEE802.3ab/z, 10/100/1000BASE-TX and 1000BASE-FX; IEEE802.3 X
LED Status Indicator	Power	1 Red
	Ethernet	1 Green on RJ45 Socket
	Fiber	3 Green (Link, SD, FED)
Protection	ESD	Contact Discharge 6KV Air Discharge 8KV
	Lightning Protection	Power:2KV Signal:1KV Per: IEC61000-4-5
Environmental	Working Temperature	0°C~55°C
	Storage Temperature	-40°C~85°C
	Humidity (non-condensing)	0~95%
Mechanical	Dimension (L×W×H)	26mm×71mm×94mm
	Material	Aluminum Alloy
	Color	Black
	Weight	160g
Stability	MTBF	>30000h

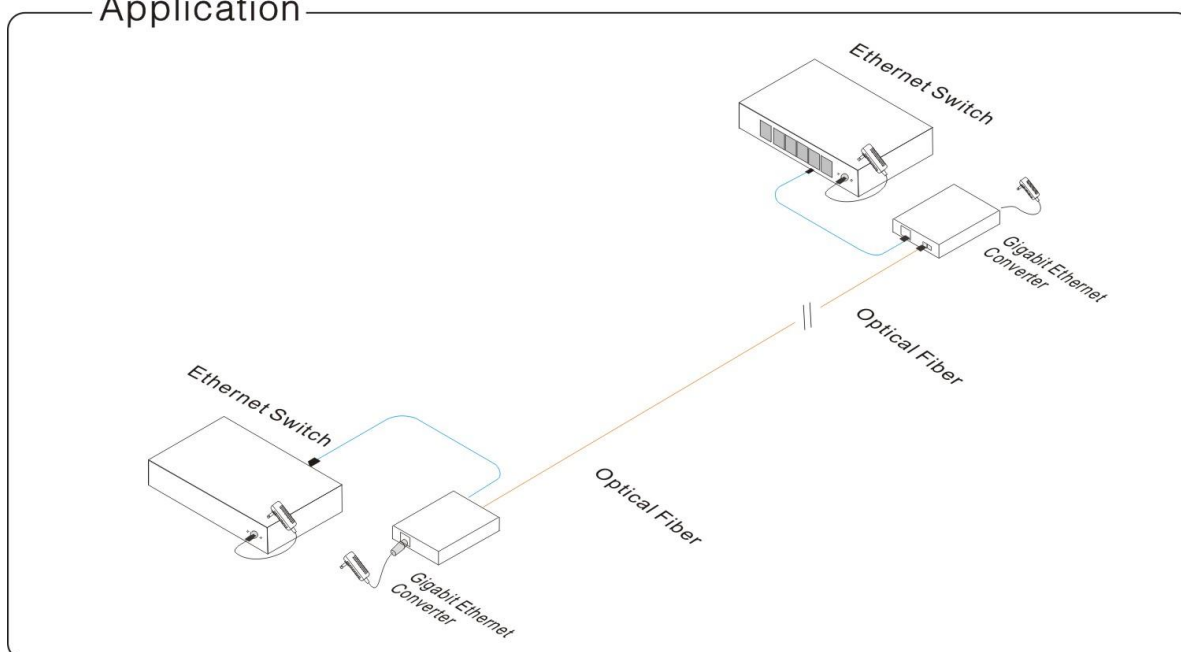
### 【 Connection 】



**LED Indicator Instruction:**

LED	Function	Status	Instruction
Power	Power LED Indicator	On	Power On
		Off	Power Off
FED	SFP Detection Indicator	On	SFP Insert
		Off	Without SFP Insert
SD	Remote Device Failure Detection Indicator	On	Remote Device Failed
		Off	Remote Device Communication Normal
Link	Optical Fiber port Connection Status	On	Connection Normal
		Flicker	Connection Normal And With Data Switch
		Off	Connection Failed
RJ 45 Indicator (Link/Act)	Ethernet Port Connection	On	Ethernet Port Connection Normal
		Flicker	Connection Normal and With Data Switch
		Off	No Connection

**Application**



**【Installation Steps】**

- 1) Please turn off the power related to the device before installation;
- 2) Please check if the network cables being taken up by other device;
- 3) Please connect LAN port of Gigabit Ethernet Converter and NVR or network device like computer with network cable;
- 4) Use two optical fibers with single-mode double fiber connect with fiber port of two Gigabit Ethernet Converters. Pay attention to the optical fiber connection interface RX and TX line should be CROSS connection. That is: one end of optical fiber line connected to the module TX interface, the other end should be connected to the RX interface;



- 5) Please check if the installation is correct and power the system;
- 6) Please check if the network is working.