

**Mini 10/100/1000BASE-T to 100/1000BASE-X SFP Fiber Media Converter with PoE Powered Function**

## Features

- ▶ 10/100 /1000Base-T to 100/1000Base-X
- ▶ SFP port support 100Base-FX or 1000Base-X dual mode (auto detection)
- ▶ 5~15V DC Type-C power input
- ▶ Support Powered by IEEE802.3at PoE Injector or Switch
- ▶ Ultra compact and weigh less than 2 ounces
- ▶ Support 9k jumbo frame
- ▶ Options in single mode dual fiber, multi-mode dual fiber, and single mode single fiber
- ▶ Aluminum Case, Conducive to heat dissipation
- ▶ 850nm/1310nm/1550nm Wavelength optional



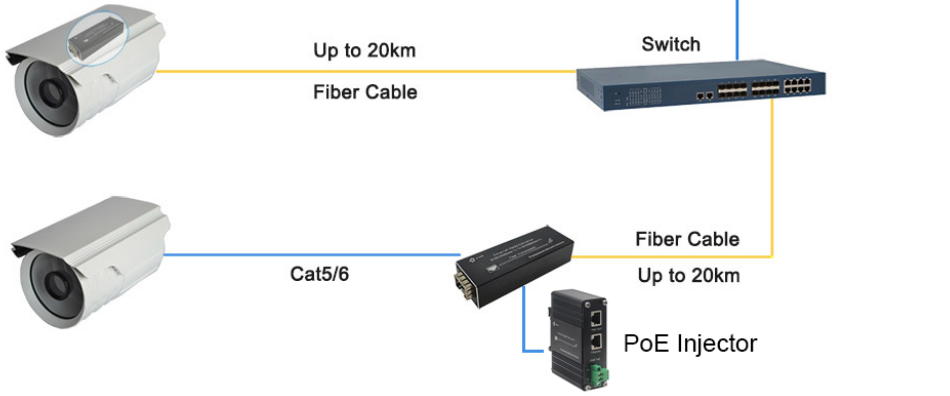
## Overview

LNK-M3011PD-SFP 10/100/1000Mbps adaptive Gigabit Ethernet media converter adopts switching technology to fulfill media conversion. It complies with IEEE802.3, IEEE802.3u, IEEE802.3z and IEEE802.3ab standards. Presently it supports two types of media network connections: 10Base-T/100Base-TX/1000Base-T, and 100/1000Base-X, inter-converting electrical signals of 10Base-T/100Base-TX/1000Base-T twisted pairs with optical signals of 100/1000Base-SX/LX. It extends the transmission distance of network from 100m via copper cable to 120km Max via fiber optical cables. It supports transmission in multi-mode dual fiber, single mode dual fiber and single mode single fiber.

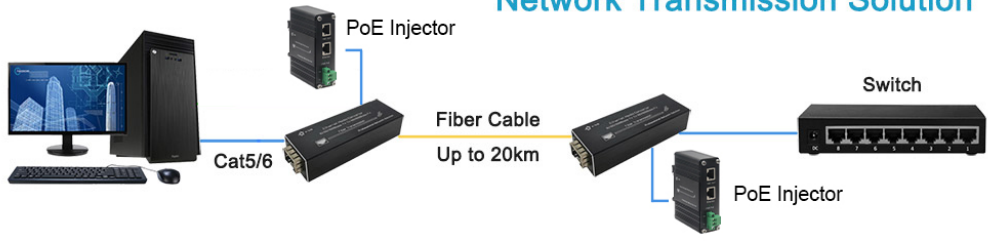
# Application

## IP Surveillance Solution

Media converter  
Embedded in the housing



## Network Transmission Solution



## Technical Indexes

Parameter	Specifications
Access mode	10/100/1000Mbps Gigabit Ethernet
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-TX/FX Fast Ethernet, IEEE802.3ab 1000Base-T , IEEE802.3z 1000Base-SX/LX Gigabit Ethernet
Fiber Port	SFP - 100/1000M adaptive
Wavelength	850nm/1310nm/1550nm (Based on SFP Module used)
Transmission distance	Fiber Cable: Depends on SFP Module Category-5 twisted pairs: 100m
Port	One RJ45 port: for connecting with STP/UTP cat5/6 twisted pairs One Optical port: SFP
Conversion means	Media conversion
LFP	Not Support
BER	<math>10^{-9}</math>
MTBF	100,000 hours

LED indicator	PWR (Power supply) TX (LINK100/1000, TP cable rate 100/1000M) FX/ACT (Optical link action /TP cable packet forwarding action)
Power supply	DC 5~15V (Type-C) Or Powered by IEEE802.3at PoE Injector / PoE Switch
Power consumption	<3W
Operating temperature	0~45°C
Operating humidity	5%~90%
Maintaining temperature	-40~70°C
Maintaining humidity	5% ~ 90% non-condensing
Weight	46g
Dimensions (W x D x H)	78 x 27 x 18 mm

## Ordering Information

Model	Description
LNK-M3011PD-SFP	Mini 10/100/1000BASE-T to 100/1000BASE-X SFP Fiber Media Converter with PoE Powered Function, not including SFP module, standalone, external power adaptor
Power Options	5V Power supply adaptor included, with USB Type-C cable; Also support powered by IEEE802.3at PoE Injector / PoE Switch