Micro Mini 802.3at PoE+ PD 10/100/1000BASE-T to 100/1000BASE-X SFP Media Converter

Features

- ► IEEE 802.3af/at/bt 48V~54V DC in-line power input
- ► Easy to install and use
- ► 10/100 /1000Base-T to 100/1000Base-X SFP
- ► SFP port support 100Base-FX or 1000Base-X dual mode (auto detection)
- ► USB-powered for portability, or use 5~15VDC wide range power input
- ► 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 in single fiber
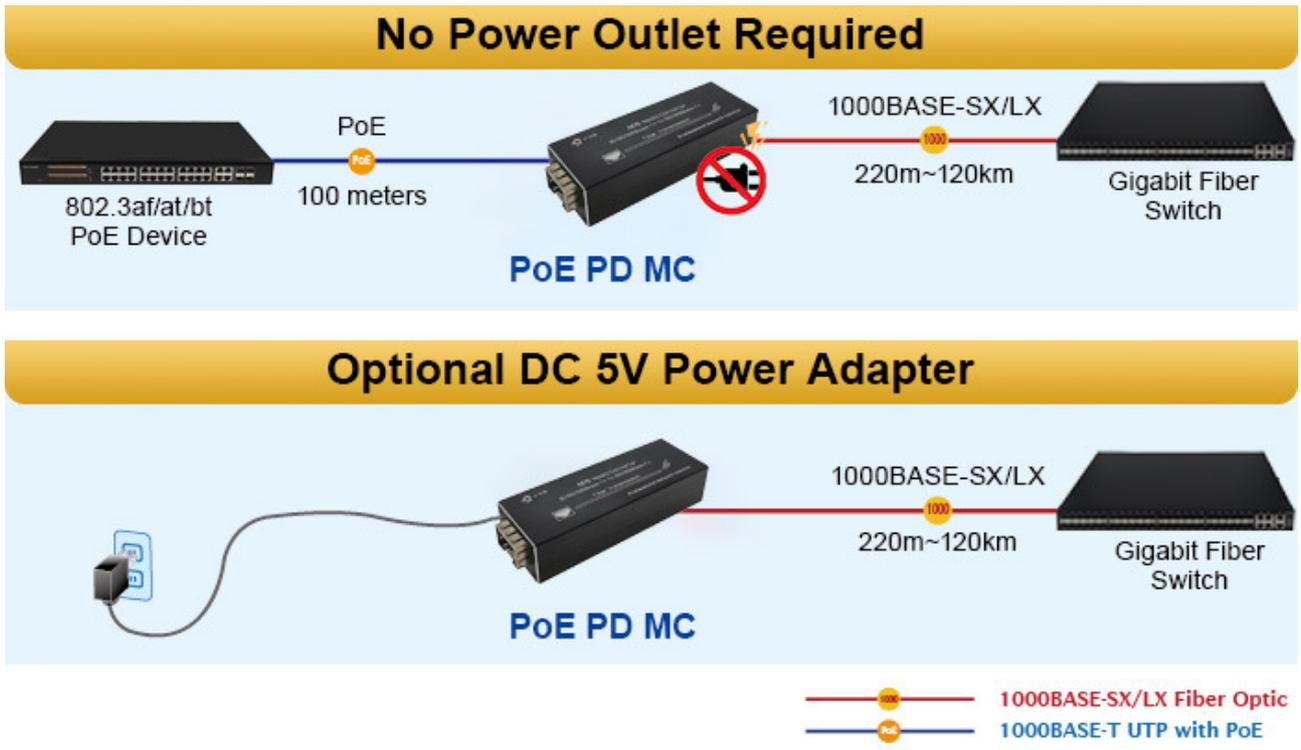- ► Aluminum Case: Conducive to heat dissipation; Lower weight and lower freight cost

Overview

E-link LNK-M3011SFP-PD is a Micro Mini 802.3at PoE+ PD 10/100/1000BASE-T to 100/1000BASE-X SFP Media Converter equipped with a convenient and cost-effective 802.3af/at/bt PoE power injection solution. It is quite different from the regular media converter that needs to obtain power from DC power adapter; it can power on via various IEEE 802.3at/bt PoE PSE equipment.

The LNK-M3011SFP-PD features two kinds of power input system designs (IEEE 802.3af/at/bt 48V~54V DC in-line power and optional 5~15V DC input) incorporated into customer's network to enhance system reliability and uptime. However, that has to depend on the kind of Ethernet environment that is needed, be it the LNK-M3011SFP-PD operated as a PoE PD media converter or standard Gigabit media converter with optional 5~15V DC input. The Micro Mini Media Converters are excellent solutions for fiber-to-the-laptop applications where you need Gigabit fiber connectivity but local power isn't available.

Application

Technical Indexes

Ethernet	
Standards:	IEEE802.3 10Base-T
	IEEE802.3u 100Base-TX/FX
	IEEE802.3ab 1000Base-T
	IEEE 802.3z 1000BASE-SX/LX
	IEEE 802.3x Full-Duplex Flow Control
	IEEE 802.3az Energy Efficient Ethernet (EEE)
Processing Type:	Store-and-Forward
Forward Filter Rate:	14,880pps (10Mbps)
	148,800pps (100Mbps)
	1,488,000pps (1000Mbps)
Max Packet Length:	9K Bytes
Speed	**Twisted-pair:**
	10/20Mbps for half/full duplex
	100/200Mbps for half/full duplex
	2000Mbps for full duplex
	Fiber optic:
	200Mbps for full duplex
	2000Mbps for full duplex

DATA SHEET

Micro Mini 802.3at PoE+ PD 10/100/1000BASE-T to 100/1000BASE-X SFP Media Converter

Network Cables	**Twisted-pair:** 　10BASE-T: 2-pair UTP Cat. 3,4,5, up to 100m 　100BASE-TX: 2-pair UTP Cat. 5, up to 100m 　1000BASE-T: 4-pair STP Cat 5 up to 100m **Fiber-optic Cable** 　1000BASE-SX: 　　50/125 μm or 62.5/125 μm multi-mode fiber cable, up to 220/550m/2km. 　1000BASE-LX: 　　9/125 μm single-mode cable, providing long distance of 2/10/20/40/80/120km (depending on SFP module) 　　100BASE-FX: 　　　50/125 μm or 62.5/125 μm multi-mode fiber cable for up to 2km (depending on SFP module) 　　　9/125 μm single-mode cable for 20/40/60/120km (vary on SFP module)

Interface

Connector:	1 x 10/100/1000BASE-T Ethernet TP RJ45 port
Optical Port:	1 x 100/1000BASE-X SFP (LC) (auto detection)

PoE (Power over Ethernet)

Standard:	IEEE 802.3af Power over Ethernet
	IEEE 802.3at Power over Ethernet Plus
	IEEE 802.3bt 4-pair Power over Ethernet Plus Plus (Type 3)
	IEEE 802.3bt 4-pair Power over Ethernet Plus Plus (Type 4)
Port:	RJ45

Electrical and Mechanical

Input Power:	IEEE 802.3af/at/bt PoE 48V-54V DC in-line power or optional DC 5~15V(Type-C) external power adapter(Not included in standard package)
Power Consumption:	DC 48V PoE In: 3.1 watts/10.5BTU DC 54V PoE In: 3.2watts/10.9BTU
LED Indicators:	
PWR:	Power Status
TX:	LINK100/1000, TP cable rate 100/1000M
FX/ACT:	Optical link action /TP cable packet forwarding action
Dimensions (WxDxH):	78 x 27 x 18 mm
Weight:	46g
Casing:	Aluminum Case
Mounting Options:	Desktop

Environmental

Operating Temperature:	-20°C to 70°C (-4°F to 158°F)
Storage Temperature:	-40°C to 85°C (-40°F to 185°F)
Relative Humidity:	5% to 95% non-condensing
MTBF	> 100,000 hrs

Regulatory Approvals

ISO9001, CE, FCC, RoHS

E-link China Technology Co., Ltd.

Ordering Information

Model	Description
LNK-M3011SFP-PD	Micro Mini 802.3at PoE+ PD 10/100/1000BASE-T to 100/1000BASE-X SFP Media Converter
SFP Options	► SFP option. Please select your SFP on our SFP Options Page (Industrial SFP).
	► SFP module is to be purchased separately
Mounting Options	► Desktop
Power Options	► IEEE 802.3af/at/bt 48V~54V DC in-line power
	► Optional 5~15V DC input