DIREKTRONIK

Micro Mini 10/100/1000BASE-T to 100/1000BASE-X SFP Media Converter

Features

- ► Smallest media converters available; tuck the unobtrusively behind a PC
- ► 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 **5~18VDC** 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
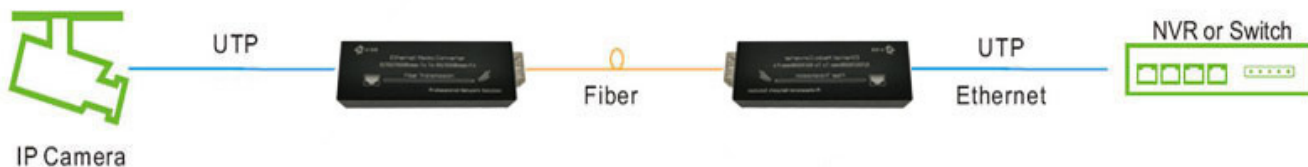

Overview

20109222   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.

When plugged into a computer's USB port, the media converter shuts down automatically when you turn off the computer, which saves energy. 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

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	$<10^{-9}$
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 5V (Type-C)
Power consumption	<3W
Operating temperature	0~45ºC
Operating humidity	5%~90%
Maintaining temperature	-40~70ºC
Maintaining humidity	5% ~ 90% non-condensing
Weight	46g
Dimensions (W x D x H)	78 x 27 x 18 mm