



## Ultra-Compact 10/100/1000BASE-T to 100/1000BASE-X SFP Media Converter

### Features

- ▶ 10/100/1000Base-T to 100/1000Base-X SFP
- ▶ SFP port supports 100Base-FX or 1000Base-X dual mode (auto detection)
- ▶ Supports 9k jumbo frame
- ▶ USB-powered for enhanced portability, or 5~18VDC wide-range power input
- ▶ Ultra compact and weighs less than 2 ounces
- ▶ Smallest media converters available; tucks unobtrusively behind a PC
- ▶ Options in single-mode dual fiber, multi-mode dual fiber, and single-mode single fiber



### Product Description

WXA-C010G-1SFP is a 10/100/1000Mbps adaptive Gigabit Ethernet media converter. It utilizes switching technology for media conversion, complying with IEEE 802.3, IEEE 802.3u, IEEE 802.3z, and IEEE 802.3ab standards.

It supports two network media connections: 10Base-T/100Base-TX/1000Base-T (twisted pair) and 100/1000Base-X (fiber), seamlessly converting electrical signals from twisted pairs to optical signals of 100/1000Base-SX/LX. This extends network transmission distance from 100m (over copper cable) to a maximum of 120km (over fiber optic cable), with support for multi-mode dual fiber, single-mode dual fiber, and single-mode single fiber transmission.

When connected to a computer's USB port, the converter automatically powers off when the computer is shut down, enhancing energy efficiency. As an ultra-compact media converter, it is an ideal solution for fiber-to-the-laptop applications—delivering Gigabit fiber connectivity in scenarios where local power is unavailable.



## Product Specification

Parameter	Specification
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	0~45°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