



10/100/1000BASE-T to 100/1000BASE-X SC Media Converter

Features

- ▶ 10/100/1000Base-T to 100/1000Base-X SC
- ▶ Supporting full-duplex and half-duplex and its auto-sensed
- ▶ Supporting auto-sense of MDI/MDI-X, facilitating system commissioning and installation
- ▶ Options in single-mode dual fiber, multi-mode dual fiber, and single-mode single fiber
- ▶ SFP slot optional



Product Description

WXA-C01G series 10/100/1000Mbps adaptive Gigabit Ethernet media converter adopts switching technology for media conversion.

Compliant with IEEE802.3/u/z/ab standards, it interconverts 10/100/1000Base-T electrical signals and 100/1000Base-SX/LX optical signals, extending network transmission distance from 100m (copper cable) to 20km–80km (fiber).

Supporting multi-mode dual fiber, single mode dual fiber and single mode single fiber, as well as 100M/1000M on fiber port for wide compatibility, this super mini device enables easy installation and integration.



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	1 SC Fiber Port, 100Base-FX or 1000Base-X dual mode (auto detection)
Wavelength	850nm/1310nm/1550nm (Based on SC Module used)
Transmission distance	multi-mode Dual-fiber: 220m (62.5/125μm)/550m (50/125μm) single mode Dual-fiber: 20/40/60/80 Km single mode Single fiber: 20/40/60/80 Km Category-5 twisted pairs: 100m
Port	One RJ45 port: for connecting with STP/UTP cat5/6 twisted pairs; One Optical port: Multi-mode Dual-fiber: SC (50, 62.5/125μm) Single mode Dual-fiber: SC (9/125μm) Single mode Single fiber: SC (9/125μm)
Conversion means	Media conversion
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 /2A
Power consumption	<5W
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)	71 x 94 x 26 mm
Certifications	CE,FCC,RoHS