



## Mini Industrial 10G Media Converter

### Features

- ▶ 100M/1G/2.5G/5G/10G BASE-T auto negotiation, with auto MDI/MDI-X
- ▶ Standard 10GBASE-X SFP+ slot, compatible with industrial SFP+ transceivers
- ▶ Compliant with IEEE 802.3u / 802.3ab / 802.3bz / 802.3ae
- ▶ 100M/1G supports half/full duplex; 2.5G/5G/10G full duplex only
- ▶ IEEE 802.3az Energy Efficient Ethernet (EEE) compliant
- ▶ Rich LED indicators for network diagnosis and troubleshooting
- ▶ 12~48VDC terminal power input, redundant power & reverse polarity protection
- ▶ Industrial wide temperature: -40°C ~ 80°C operating temperature
- ▶ Store-and-forward architecture, 20Gbps switching capacity
- ▶ Supports 16K jumbo frame; 9K MAC address table
- ▶ IP40 aluminum case, DIN-rail / wall-mount optional
- ▶ Built-in overload auto-reset, ESD, surge and EFT protection



### Product Description

WXA-I010G-SFP+ is a mini industrial-grade 10G/5G/2.5G/1G/100M Copper to SFP+ Fiber Media Converter. It features one auto-adaptive RJ45 copper port and one 10G SFP+ fiber slot. Adopting IP40 aluminum alloy housing, wide-temperature industrial design and redundant power input, it supports non-blocking wire-speed forwarding for copper-to-fiber conversion. Compact size supports DIN-rail and wall mounting, ideal for industrial sites, surveillance centers, park networks, wireless core networking and harsh outdoor environments requiring 10G bandwidth extension.



## Product Specification

Ethernet	Compliance	IEEE 802.3u / 802.3ab / 802.3bz / 802.3an / 802.3ae
	Flow Control	IEEE 802.3x Full-Duplex Flow Control
	Energy Saving	IEEE 802.3az EEE Energy Efficient Ethernet
RJ45 Copper Port	Port Quantity	1 × 100M/1G/2.5G/5G/10G BASE-T RJ45
	Negotiation Mode	Auto-negotiation, Auto MDI/MDI-X
	Duplex Mode	100M/1G: Half/Full Duplex 2.5G/5G/10G: Full Duplex Only
	Cable Requirement 10G	Cat 6A / Cat 7 UTP/STP
	Cable Requirement 5G	Cat 6 / 6A / 7
	Cable Requirement 1G/2.5G	Cat 5e / Cat 6 / Above
	Cable Requirement 100M	Cat 5 / 5e / Above
Max Copper Distance	100 Meters	
SFP+ Fiber Port	Port Quantity	1 × 10GBASE-X SFP+ Slot
	Compatible Module	10G SR / LR / BX Industrial SFP+ Transceiver
	Multimode Fiber	50/125 μm, 62.5/125 μm
	Multimode Max Distance	Up to 300m
	Single-mode Fiber	9/125 μm
	Single-mode Max Distance	Up to 80km
Switch Performance	Forwarding Type	Store-and-Forward
	Switching Fabric	20Gbps Non-blocking Wire-speed
	Jumbo Frame	Support 16K Jumbo Frame
	MAC Address Table	9K Entries, Auto Learning & Aging
	MTBF	> 200,000 Hours



# SHENZHEN WEIXIANG AN TECHNOLOGY CO., LTD

<b>DIP Switch</b>	Quantity	4-bit DIP Switch
	Default Function	All Reserved, Customizable Function Available
<b>LED Indicator</b>	PWR	Power Status Indicator
	L/A	Ethernet Link / Activity
	TP	Ethernet Port Status
	FX	SFP+ Fiber Port Status
<b>Power Parameter</b>	Input Voltage	12~48VDC, 4-Pin Terminal Block
	Power Supply Mode	Redundant Power Input
	Max Power Consumption	5W
	Protection	Overload Automatic Resettable, Reverse Polarity Protection
<b>Environmental</b>	Operating Temperature	-40°C ~ 80°C
	Storage Temperature	-40°C ~ 85°C
	Relative Humidity	5% ~ 95%, Non-condensing
	Installation	DIN-Rail / Wall-mount
	Housing Material	Aluminum Alloy, IP40 Rated
	Dimension	95 × 70 × 30 mm
	Net Weight	0.25 Kg
<b>EMC Certification</b>	Compliance Standard	EN55022, EN55024IEC 61000-4-2/3/4/5/6/8 (ESD/RS/EFT/Surge/CS/PFMF)