



Mini Industrial 10G/5G/2.5G/1G/100M 802.3bt PoE to 10GBASE-X SFP+ Media Converter

Features

- ▶ 100M/1G/2.5G/5G/10G BASE-T RJ45 port, supports auto MDI/MDI-X
- ▶ 1 x 10GBASE-X SFP+ fiber slot, compatible with various SFP+ optical modules
- ▶ Compliant with IEEE 802.3af/at/bt PoE standard
- ▶ Auto-negotiation supported: 100Mbps/1Gbps half/full duplex, 2.5G/5G/10Gbps full duplex
- ▶ Abundant LED indicators for real-time network status diagnosis
- ▶ 48~57VDC terminal block redundant power input
- ▶ Supports DIN-rail and wall-mount installation
- ▶ IP40 rugged aluminum alloy enclosure
- ▶ Wide temperature design: -40°C ~ 80°C industrial operating temperature
- ▶ 4-digit DIP switch, functions support customized definition



Product Description

WXA-I010G-SFP+ series is an industrial-grade 10G PoE media converter with non-blocking wire-speed performance, providing flexible 10Gigabit Ethernet copper-to-fiber extension solution for harsh industrial environments.

It is equipped with one multi-speed RJ45 copper port and one 10G SFP+ fiber slot. Compact IP40 aluminum housing with redundant power design, stable operation in wide temperature scenarios. Widely applied in industrial workshop networking, outdoor surveillance, wireless AP coverage, mall & warehouse network, control center and railway communication systems.



Product Specification

Port Configuration	1×100M/1G/2.5G/5G/10G BASE-T RJ45 Port, 1×10GBASE-X SFP+ Slot
Network Standard	IEEE 802.3af/at/bt, IEEE 802.3 10Base-T, 100Base-TX, 1000Base-T, 10GBASE-X
Speed & Duplex	100Mbps/1Gbps: Half/Full Duplex Auto-negotiation; 2.5G/5G/10Gbps: Full Duplex
Port Feature	Auto-MDI/MDI-X
Forwarding Mode	Store-and-Forward
Switching Capacity	20Gbps
Jumbo Frame	9K Bytes
MAC Address Table	16K entries, automatic address learning & aging
PoE Standard	IEEE 802.3af/at/bt
Cable Requirement	10G: Cat6A/Cat7; 5G: Cat6/Cat6A/Cat7; 1G/2.5G: Cat5e/Cat6/Cat6A; 100M: Cat5/Cat5e/Cat6; Max 100m over 100Ω UTP/STP
Fiber Compatibility	Multimode: 50/125μm, 62.5/125μm, up to 300m; Single-mode: 9/125μm
Optional SFP+ Module	Wavelength: 1310nm/1550nm; Distance: 2KM/10KM/20KM/40KM/80KM
Input Power	48~57VDC, 4-pin Terminal Block, Redundant Power
Max Power Consumption	35W
Protection	Overload Automatic Resettable, Reverse Polarity Protection
DIP Switch	4-digit DIP switch, customized function available
Enclosure	IP40 Aluminum Alloy Case
Installation	DIN-Rail / Wall-mount
Dimension (W×D×H)	95 × 70 × 30 mm
Weight	0.25Kg
Operating Temperature	-40° C ~ 80° C
Storage Temperature	-40° C ~ 85° C
Relative Humidity	5%~95% Non-condensing
MTBF	>200,000 hrs
EMC Compliance	EN55022, EN55024, IEC 61000-4-2/3/4/5/6/8