



Mini Industrial 8-Port 10/100/1000BASE-T PoE+ (IEEE 802.3at) + 2-Port Compact 10/100/1000BASE-T (Non-PoE) Ethernet Switch

Features

- ▶ 10 x 10/100/1000BASE-T Gigabit Ethernet RJ45 Copper Ports
- ▶ Powers up to 8 IEEE 802.3af/at-compliant devices
- ▶ 240-Watt Total PoE Budget
- ▶ 48~57VDC Redundant Power Input with Reverse Polarity Protection
- ▶ Supports IEEE 802.3x Flow Control
- ▶ Complies with IEEE 802.3az Energy Efficient Ethernet (EEE)
- ▶ Supports DIN-Rail Installation
- ▶ IP40-Rated Dustproof, Enclosed Design | Rugged High-Strength Metal Housing (Industry-Standard)
- ▶ Operating Temperature: -40°C to 80°C (-40°F to 176°F)



Product Description

The WXA-I010G-P240, a compact mini industrial switch is designed for narrow installation environments. It features 8 x 10/100/1000BASE-T IEEE 802.3at PoE+ ports (30W per port, 240W total PoE budget) and 2 additional 10/1000BASE-T RJ45 uplink ports, delivering wire-speed Gigabit performance even in harsh industrial conditions.

Supporting 48-57VDC power input for redundancy and flexibility, the switch adopts a rugged IP40 metal housing — providing strong immunity to electromagnetic interference and electrical surges, ideal for plant floors or unconditioned traffic control cabinets. It operates silently with a fanless, ventilated design and wide temperature range of -40 °C to 80 °C. No software configuration is required, enabling plug-and-play deployment of standard and high-power PoE devices.



Product Specification

Category	Parameter	Specification
Ethernet	Standards	IEEE 802.3/802.3u/802.3ab/802.3x/802.3az (EEE)
	Forward Rate/Throughput	14,880/148,800/1,488,000 pps (10/100/1000Mbps); 14.88Mpps@64bytes
	Packet Buffer/Len/MAC Table	2Mbits; 9216bytes; 4K entries
	Switch Fabric	20Gbps non-blocking
Interface	Connector	10x 10/100/1000Base-T RJ45 (auto-MDI/MDI-X; Ports1-8: 802.3at PoE+ injector)
Power over Ethernet (PoE)	Standard/Pin Assignment/Budget	IEEE 802.3af/at (PoE/PSE); 4/5(+),7/8(-); 240W total
	Max Class 4 PDs/Port Power	8 units; Max 30W/port
Environmental	Operating/Storage Temp	-40°C~80°C (-40°F~176°F); -40°C~85°C (- 40°F~185°F)
	Humidity/MTBF	5%~95% non-condensing; >100,000 hrs
Electrical & Mechanical	Input Power/Consumption	48~57VDC (redundant + reverse polarity protection); <250W (Non-PoE<10W)
	Protection (Overload/Polarity)	Automatic Resettable; Present
	Dimensions/Weight/Mounting	95×88×46mm; 0.4Kg; Aluminum Case (DIN-Rail mount)
	LED Indicators	PWR(Power), L/A(Link/Activity), SPD(Data Rate), PoE(30W/port)
Regulatory Approvals	EMC/EMI/Safety	CE(EN55032/EN55035/EN60950-1); FCC Part 15 Subpart B
	EMS/Surge Protection	EN61000-4-2/3/4/5/6/8/11; 8KV (PoE/RJ45/SFP ports)
	Mechanical Reliability	IEC60068-2-27(Shock)/32(Freefall)/6(Vibration)