



Power Boost Mini Industrial Switch - 8x 10/100/1000BASE-T PoE+ (IEEE 802.3at) + 2x Gigabit Compact

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
- ▶ 12~48V DC Redundant Power 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-PB240, a compact mini industrial switch, is designed for narrow installation spaces, featuring 8 x 10/100/1000BASE-T IEEE 802.3at PoE+ ports (30W per port, 240W total PoE budget) and 2 x 10/100/1000BASE-T RJ45 uplink ports—delivering wire-speed Gigabit performance even in harsh industrial conditions.

It supports 12-48VDC power input for redundancy and flexibility, with a rugged IP40 metal housing that offers strong immunity to electromagnetic interference and electrical surges (ideal for plant floors or unconditioned traffic control cabinets). The fanless, ventilated design ensures silent operation, and it operates across a 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	2Mbits; 9216bytes
	MAC Table/Switch Fabric	4K entries; 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	IEEE 802.3af/at (PoE/PSE); 4/5(+), 7/8(-)
	PoE Budget/Max Class 4 PDs	48V:240W / 24V:90W / 12V:60W; 8 units
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	12~48VDC (redundant + reverse polarity protection); <250W (Non-PoE<10W)
	Protection (Overload/Polarity)	Automatic Resettable; Present
	Dimensions/Weight/Mounting	95×88×46mm; 400g; Aluminum Case (DIN-Rail mount)
	LED Indicators	PWR(Power), L/A(Link/Activity), SPD(Data Rate), PoE(Status)
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)