



Industrial 8-Port Gigabit Ethernet Switch

Features

- ▶ 8 x 10/100/1000Base-T RJ45 Ports
- ▶ Optional IEEE 802.3 af/at/bt PoE support
- ▶ Optional management function
- ▶ Non-blocking architecture, full wire-speed forwarding
- ▶ Supports IEEE 802.3x full-duplex flow control & half-duplex backpressure
- ▶ Auto-negotiation ports (10/100/1000Mbps)
- ▶ Auto-MDI/MDIX eliminates crossover cables
- ▶ MAC address auto-learning & auto-aging
- ▶ IEEE 802.1Q VLAN transparency
- ▶ Plug-and-play for easy installation
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Product Description

The WXA-I08G series, an unmanaged industrial Ethernet switch designed specifically for outdoor CCTV applications and various industrial networking requirements, combines ruggedness with budget - friendliness.

It is engineered to endure harsh climatic conditions, ensuring flawless operation of surveillance and industrial network systems. Optional IEEE 802.3 af/at/bt PoE compliance allows power and data to be transmitted through one cable, simplifying deployment and minimizing wiring complexity.

Its multi - port design facilitates quick integration into existing network architectures. It provides consistent, reliable performance with low operational costs, making it a cost - effective solution for enterprises aiming to enhance network infrastructure while balancing quality and efficiency.



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Product Specification

Ethernet	Standards	IEEE 802.3 (Ethernet), IEEE 802.3u (Fast Ethernet), IEEE 802.3ab (Gigabit Ethernet), IEEE 802.3x (Flow Control), IEEE 802.3az (Energy Efficient Ethernet)
	Forwarding & Filtering Rate	11.9 Mpps (64-byte packet size)
	Packet Buffer / Maximum Length	2Mbits; 1500 bytes
	MAC Address Table	4K entries, automatic source address learning and aging
	Switch Fabric / Exchange Property	20Gbps non-blocking
	Flow Control	Full Duplex: IEEE 802.3x Pause Frame; Half Duplex: Back Pressure
Interface	Copper Ports	8 x 10/100/1000BASE-T RJ45 ports, Auto-MDI/MDI-X (Ports 1-8)
	PoE Standards (Optional)	IEEE 802.3 af/at (30W); IEEE 802.3 af/at/bt (90W)
	PoE Power Pins (Optional)	1/2(+), 3/6(-); Dual-mode option: 1/2(+), 3/6(-) or 4/5(+), 7/8(-) (90W model)
	Max Power per Port (Optional)	30W (PoE af/at); 90W (PoE bt)
	PoE Power Budget (Optional)	240W (depending on power input)
Environmental	Operating Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
	Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
	Humidity	5% ~ 95% non-condensing
	MTBF	>500,000 hours @ MIL-HDBK-217F GF 25°C
Electrical & Mechanical	Input Power	2 redundant DC inputs; Non-PoE: DC 9-56V; 30W PoE: DC 48-56V; 90W PoE: DC 52-56V
	Power Connector	1 removable 6-contact terminal block (Pins 1/2: Power 1; Pins 3/4: Power 2; Pins 5/6: Fault Alarm, configurable)
	Power Consumption	Max 7 Watts (without PoE load)



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	Power Protection	Reverse Polarity Protection, Overload Current Protection
	Surge Protection	Power: $\pm 6\text{kV}$ DC; RJ45 Ports: $\pm 4\text{kV} \sim \pm 6\text{kV}$ (model-dependent)
	Dimensions (WxDxH)	138mm \times 108mm \times 49mm
	Weight	0.62Kg
	Enclosure & Mounting	IP40-rated aluminum case; DIN-Rail and Wall-mountable
	LED Indicators	Power (P1/P2): ON = Power supplied, OFF = No power; RJ45 Amber: ON = Active connection, Blinking = Data transmission; RJ45 Green: ON = 1000Mb/s, OFF = 10/100Mb/s
Regulatory Approvals	Certifications	ISO 9001; IEC62368-1:2020+A11:2020; FCC Part 15B Class A; IEC 61000-3-2; IEC61000-4-2 (ESD: Contact $\pm 8\text{kV}$, Air $\pm 15\text{kV}$); IEC61000-4-5 (Surge: Power $\pm 6\text{kV}$, RJ45 $\pm 4\text{kV}/\pm 6\text{kV}$); IEC 60068-2-27 (Shock); IEC 60068-2-32 (Free Fall); IEC 60068-2-6 (Vibration); RoHS 2011/65/EU Annex II (EU)