

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 - L2I08G 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.

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)
	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 x 108mm x 49mm
	Weight	Bare weight: 620g; With package: 720g
	Enclosure & Mounting	IP40-rated aluminum case; DIN-Rail and Wall-mountable
	Cooling Method	Passive Cooling (fanless)
	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)