



SHENZHEN WEIXIANG AN TECHNOLOGY CO., LTD

8-Port Gigabit TX + 2-Port Gigabit FX L2+ Managed Industrial PoE++ Switch

Features

- ▶ 8×10/100/1000BASE-T Gigabit Ethernet RJ45 Ports
- ▶ 2×100/1000BASE-X SFP ports, support SFP auto-detection
- ▶ Support IEEE 802.3 af/at/bt Power Over Ethernet Standard, max 90W per PoE port
- ▶ Full gigabit L2+ managed, configuration via CLI / WebGUI / NMS network management system
- ▶ Redundant industrial network: STP / RSTP / MSTP / ERPSv2 ring protection
- ▶ Port-based VLAN, IEEE 802.1Q VLAN, GVRP for network planning
- ▶ Traffic classification: IEEE 802.1p CoS, WRR, Strict priority scheduling mode
- ▶ SNMPv1/v2c/v3 multi-level network management
- ▶ Wide operating temperature: -40℃ ~ 75℃
- ▶ All-aluminum IP40 housing, compact fan-less design



Product Description

WXA-L2I08GM-2SFP-P90 is built for harsh industrial environments. It delivers stable high-speed gigabit transmission for factory automation, outdoor surveillance and other demanding deployment scenarios.

Adopt dual redundant power input to guarantee uninterrupted network connection. IP40 all-aluminum enclosure supports DIN-rail mounting and wall-mount installation. Wide temperature hardware design adapts to extreme temperature condition for industrial sites.



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Product Specification

Hardware	Compliance Standards	IEEE 802.1p, IEEE 802.1Q, IEEE 802.3z, IEEE 802.3ad, IEEE 802.1x, IEEE802.3af/at/bt
	Copper Ports	8×10/100/1000BASE-T RJ45, Auto-MDI/MDI-X (Port 1-8)
	Fiber SFP Slots	2×100/1000BASE-X SFP Slots (Port9, Port10)
	Console Port	1× RJ45- to-RS232 Serial Console Port, baud rate:115200
	Terminal Block	6-pin removable terminal block: PWR1, PWR2, Fault Relay Alarm
	Alarm Relay	1-channel relay output for power failure alarm; 1A@24VDC load capacity
	RAM	128 MByte
	FLASH	32 MByte
	Reset Button	<5s: System Reboot; >10s: Restore factory default configuration
Switching Performance	Switch Architecture	Store-and-Forward
	Non-blocking Switch Fabric	36 Gbps
	Forwarding Rate(64-byte packet)	11.9 Mpps
	Packet Buffer Size	4 Mbits
	Maximum Packet Length	10K bytes
	MAC Address Table	8K entries, auto learning & aging
	Flow Control	IEEE802.3x Pause frame(Full-duplex); Back-pressure(Half-duplex)
PoE & Power Supply	PoE Ports	Port 1-8, IEEE802.3 af / at / bt
	PoE Supply Mode	End-span
	PoE Pin Assignment	1/2(+), 3/6(-) or 4/5(+), 7/8(-)
	Max Power Per PoE Port	90W (IEEE802.3bt)
	DC Input Voltage	Dual DC 48-56V redundant power input
	Power Consumption(No PoE load)	Max 10 Watts
	Total PoE Power Budget	Max 470W @ dual 52VDC power input Note: Not all ports run 90W simultaneously



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Environmental	Operating Temperature	-40℃ ~ 75℃
	Storage Temperature	-40℃ ~ 85℃
	Operating Humidity	5% ~ 95% non-condensing
	MTBF	907,476 hours (Telcordia SR-332 standard)
	Surge Protection	±6kV DC power surge, ±6kV RJ45 port EFT surge protection
	Enclosure	IP40 Aluminum case
	Installation Method	DIN-Rail mount / Wall-mount
	Dimension (W×D×H)	138 × 108 × 49 mm
	Weight	Bare unit:660g; With package:860g
Software	Static Routing	Max.32 IPv4 software static routing entries
	Management Interfaces	Console, Telnet, Web Browser, SNMPv1/v2cSecure: SSHv2, TLSv1.2, SNMPv3
	System Maintenance	Remote Syslog; HTTP firmware upgrade; Config upload/download via HTTPLLDP, SNTp; NMS network management; Relay / LED / Trap power-failure alarm
	VLAN	802.1Q Tag VLAN, Port-based VLAN, GVRP
	Redundancy Protocol	STP/RSTP/MSTP / ERPSv2 sub-50ms ring recovery, LACP port trunking
	QoS	8 hardware queues per port, 802.1p / DSCP mapping, SP / WRR / SP+WRR scheduling
	Multicast	IGMP Snooping V1/V2/V3
	Security	802.1X authentication, Port ACL / VLAN ACL, Broadcast storm protection
	Port Configuration	Port admin status: Enable / Disable Copper port: Auto-negotiation, 10/100/1000Mbps, full/half-duplex selectable Fiber SFP port: 100M /1000M speed selectable Flow-control enable/disable; EEE energy- saving enable/disable; Custom port description
LED Indicator	Port Status Monitoring	Display port speed, duplex mode, link status, flow-control status, auto-negotiation status, SFP information, port traffic statistics
	PWR(P1/P2) - ON	Power input present
	PWR(P1/P2) - OFF	No power input
	RUN - Blinking	System running normally
	Link/ACT(Port1-8) - ON	Port link up



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Certifications	Link/ACT(Port1-8) - Blinking	Data transmitting
	Link/ACT(Port1-8) - OFF	Port link down
	ALM - ON	Alarm event triggered
	CE,FCC,RoHS	