



## Industrial 24-Port Gigabit Ethernet Switch

### Features

- ▶ 24x 10/100/1000Base-TX RJ45 ports
- ▶ Supports Auto-MDIX & full/half duplex auto-negotiation
- ▶ Supports 10K bytes giant frame (compatible with multiple extension protocols)
- ▶ 8K MAC address table
- ▶ Supports IEEE 802.3az Energy Efficient Ethernet (EEE)
- ▶ Supports IPv6 Protocol
- ▶ 6KV electrical surge protection (suitable for outdoor use)
- ▶ Power input polarity protection (avoids misoperation damage)
- ▶ IP40-rated aluminum case, fanless design
- ▶ Complete status indicators (real-time working status visibility)
- ▶ DIN-rail & wall-mount installation options
- ▶ 9-56V DC redundant power input
- ▶ Reverse polarity protection
- ▶ -40°C to +75°C wide operating temperature range



### Product Description

WXA-L2I024G series is a high-performance industrial switch, ideal for industrial networking. Featuring 24x 10/100/1000Base-TX ports, it delivers stable Ethernet transmission with a robust design and reliable performance.

Engineered for broadband network access, this industrial switch enables seamless data exchange, aggregation, and long-distance optical transmission. It meets diverse networking needs through efficient bandwidth management and reliable connectivity, while its compact, fanless, and low-power design saves space, reduces noise and failure risks, and lowers operational costs with easy maintenance.

For enhanced security and adaptability, dual power input provides redundancy for critical applications. With an operating temperature range of -40°C~75°C and an IP40-rated enclosure, it supports DIN-rail and wall-mount installation—making it the perfect choice for harsh environments such as industrial networks, intelligent transportation systems (ITS), military applications, and utility infrastructure.



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## Product Specification

Ethernet	Standards	- IEEE 802.3 (10BaseT)- IEEE 802.3u (100BaseT(X)/FX)- IEEE 802.3ab (1000BaseT(X))- IEEE 802.3z (1000BaseSX/LX/LHX/ZX)- IEEE 802.3x (Flow Control)- IEEE 802.1D-2004 (Spanning Tree Protocol)- IEEE 802.1w (Rapid Spanning Tree Protocol)- IEEE 802.1s (Multiple Spanning Tree Protocol)- IEEE 802.1p (Class of Service)- IEEE 802.1Q (VLAN Tagging)- IEEE 802.1X (Authentication)- IEEE 802.3ad (Port Trunk with LACP)
	Port Configuration	24 x 10/100/1000Base-TX RJ45 ports
	Packet Buffer	4Mbits
	Maximum Packet Length	Up to 10k Bytes
	MAC Address Table	8K entries
	Transmission Mode	Store and Forward (Half-duplex / Full-duplex)
	Forward Filter Rate	1,488,100 pps (64Byte packets)
	Cabling Requirement	Cat5 or above (for 10/100/1000Base-T)
	Maximum Transmission Distance	100m (Cat5 UTP)
	Delay Time	< 7 $\mu$ s
Led Indicator	Power Indicator	Steady on when powered
	RJ45 Port Indicator	Link/Act (Steady on when connected; Blinking during data transmission)
Environmental	Operating Temperature	-40 $^{\circ}$ C ~ 75 $^{\circ}$ C
	Relative Humidity	5% ~ 90% (Non-condensing)
	Storage Temperature	-40 $^{\circ}$ C ~ 85 $^{\circ}$ C
	MTBF	500,000 hours



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Electrical & Mechanical	Power Input Interface	Phoenix terminal & DC jack
	Redundant Power Supply	DC 9-56V (Dual redundant inputs)
	Protection Features	- Overload protection- Reverse polarity protection
	Power Consumption	<25W (Full load)
	Dimensions (W x D x H)	155 x 128 x 88mm
	Weight	1.5Kg
	Housing	IP40-rated aluminum case
	Mounting Options	DIN Rail / Wall-Mount