



Industrial Managed Mini 4-Port Gigabit RJ45 + 1-Port Gigabit Uplink Ethernet Switch

Features

- ▶ 5 x 10/100/1000BASE-T RJ45 Ports with Auto-MDI/MDI-X (Ports 1~4 compliant with IEEE 802.3af PoE+)
- ▶ PoE Budget: Up to 120W (48V DC) / 90W (24V DC) / 60W (12V DC)
- ▶ 12~48V DC Wide-Range Power Input
- ▶ Supports 802.3x Flow Control & WEB Management
- ▶ Supports DIN-Rail and Wall-Mount Installation
- ▶ -40°C to 80°C (-40°F to 176°F) Operating Temperature
- ▶ Optional IEEE 802.3af/at/bt PoE Support



Product Description

WXA-I05GM is a mini industrial managed Ethernet switch, featuring 4 x 10/100/1000BASE-T ports, 1 x 10/100/1000BASE-T Uplink port (TP 5), and 12~48V DC wide-range power input. It is compliant with critical industrial standards, CE/FCC certifications, and equipped with an IP40-rated rugged enclosure.

The switch delivers reliable performance against vibration and shock, with a wide operating temperature range of -40~80°C. Supporting DIN-rail and wall-mount installation, it undergoes 100% burn-in testing to ensure stability in harsh environments. Ideal for cost-effective industrial Ethernet applications, it is suitable for industrial networking, intelligent transportation systems (ITS), military, and utility markets—where environmental conditions exceed commercial product specifications.



Product Specification

Category	Parameter	Specification
Ethernet	Standards	IEEE 802.3 Ethernet, IEEE 802.3u Fast Ethernet, IEEE 802.3ab Gigabit Ethernet, IEEE 802.3x Full-Duplex Flow Control, IEEE 802.3az Energy Efficient Ethernet (EEE), IEEE 802.3af/at Power over Ethernet Plus
	Forwarding & Filtering Rate	14.88kpps (10Mbps), 148.8kpps (100Mbps), 1.488Mpps (1000Mbps)
	Backplane Bandwidth	20Gbps
	Switch Fabric	10Gbps, non-blocking
	Packet Buffer	1Mbits
	Max Packet Length	10Kbytes
	MAC Address Table	8K Entries
Interfaces	RJ45 Ports	5x 10/100/1000Base-T auto-MDI/MDI-X ports
	PoE Port (Optional)	RJ45 ports compliant with IEEE802.3af/at; Power Pin Assignment: 4/5(+), 7/8(-)
PoE (Optional)	PoE Budget	Up to 120W (48VDC), 90W (24VDC), 60W (12VDC)
Environment	Operating Temperature	-40°C to 80°C (-40°F to 176°F)
	Storage Temperature	-40°C to 85°C (-40°F to 185°F)
	Relative Humidity	5% to 95% non-condensing
	MTBF	> 200,000 hrs
Electrical & Mechanical	Input Power	12~48VDC (4-pin Terminal Block)
	Power Consumption	<125W (Non-PoE <6W)
	Protection Features	Automatic Resettable Power Input Overload, Reverse Polarity Protection
	Reset Button	Supported
	Dimensions (WxDxH)	95 x 70 x 29 mm
	Weight	0.25KG
	Casing	Aluminum Case
	Mounting Options	DIN-Rail / Wall-mount
LED Indicators	Indicator Types	PWR (Power Status), SPD (Data Rate), L/A (Link/Activity), PoE (PoE Status)
Software & Management	System Settings	Device Info, Account Settings, Restoring, Reboot, Upgrade
	Port Management	Port Settings, Port Mirroring, Port Statistics, Rate Limit
	VLAN Settings	802.1Q VLAN, PVID Settings, Hybrid Port
	QoS Settings	Priority Selection, Scheduling Mode
	Diagnostics	Loop Detection
	Configuration Management	Get Configuration, Restore Configuration, Saving Configuration
	Default Access	Default IP: 192.168.40.253; Default User Name/Password: admin/admin