



Industrial Ethernet Switches Unmanaged

100M/1000M unmanaged 4-port, 5-port, 8-port, 9-port, 16-port Ethernet switches; DIN rail installation, dual power redundancy: non-POE: 12V~52V, POE: 48V~57V; the product is designed in accordance with industrial grade 4 standards. The Ethernet switch has an operating temperature of $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$, has super strong robustness to adapt to various harsh environments, and can also be easily placed in a compact control box. The installation characteristics of the rail, wide temperature operation, IP40 protection grade housing and LED indicator make the industrial Ethernet switch a plug-and-play industrial device, providing users with a reliable and convenient solution for networking Ethernet devices.

PRODUCT DETAIL

- Product name: Industrial Ethernet PoE switch
- Type: Network switch, DIN rail switch with PoE power supply
- Lightning protection level: Port 6KV lightning protection
- Network port: 10/100/1000BaseT(X) auto-sensing, full/half duplex MDI/MDI-X adaptive
- Protection grade: IP40
- Input voltage: Non-POE: 12V~52V, POE: 48V~57V
- Operating temperature: -40 ~ +85°C
- Packaging type: standard factory packaging
- Packing list: 1pc unmanaged industrial Ethernet switch, user manual, warranty card, certificate of conformity

PRODUCT FEATURES

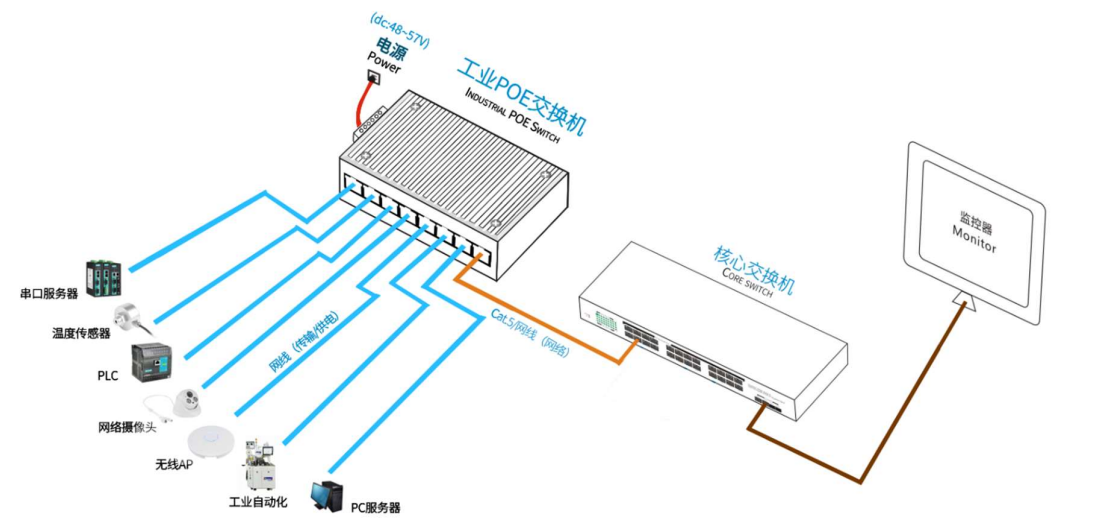
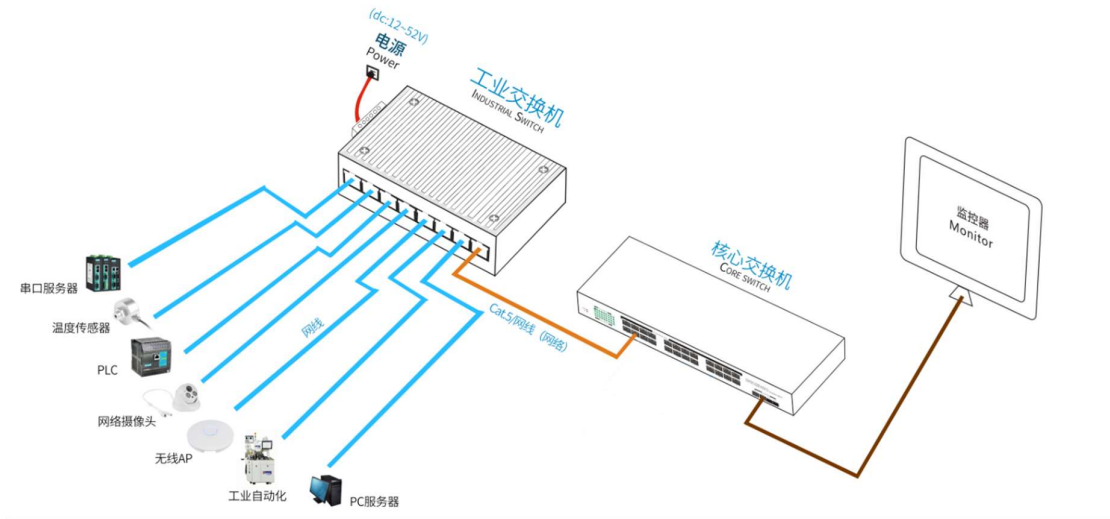
- Supports full-duplex or half-duplex mode with auto-negotiation capability
- Supports standard POE smart power supply without burning the device
10Mbps, 100Mbps, 1000Mbps automatic adaptation
- Support 2K MAC address table and MAC address filtering function
- The network port supports fully automatic cross identification, no need to manually operate the switch
- Built-in storage and forwarding mechanism, cache 1M, supports multiple protocols
- Lightning surge protection (power supply): 5000V (8/20 μ s)
- Automatic alarm function through relay output
- Redundant dual DC power supplies with wide range input overload protection
- Comply with industrial grade 4 design requirements
- IP40 protection level, corrugated high-strength aluminum alloy shell, DIN rail installation

APPLICATION ENVIRONMENT

- Radio and television transmission system, urban intelligent traffic monitoring system (ITS), safe city
- Industrial control equipment automation
- Highway monitoring system, electronic road monitoring, snapshot system
- Automatic control systems and network multi-function systems for large factories and mines
- Remote multimedia teaching/campus monitoring, video conferencing system
- Long-distance radio and television, high-quality audio and video transmission systems
- Building automatic control system, military communications, military monitoring
- Oil fields, hydropower stations, and power system control automation

MODEL : TX8-Unmanaged Switch

Connection diagram



Product model Series

model	describe
TX8-5 E	Industrial-grade 100M 5-port 100M Ethernet switch, rail-mounted, DC12-52V power supply - wide temperature range (-40°C-85°C) - Ministry of Public Security inspection report - Ministry of Industry and Information Technology network access license . Power supply is not included in the shipment
TX8-8E	Industrial-grade 100M 8- port 100M Ethernet switch, rail-mounted, DC12-52V power supply - wide temperature range (-40°C-85°C) - Ministry of Public Security inspection report - Ministry of Industry and Information Technology network access license . Power supply is not included in the shipment
TX8-9E	Industrial-grade 100M 9- port Ethernet switch, rail-mounted, DC12-52V power supply - wide temperature range (-40°C-85°C) - Ministry of Public Security inspection report - Ministry of Industry and Information Technology network access license . Power supply is not included in the shipment
TX8-16E	Industrial-grade 100M 16- port Ethernet switch, rail-mounted, DC12-52V power supply - wide temperature range (-40°C-85°C) - Ministry of Public Security inspection report - Ministry of Industry and Information Technology network access license . Power supply is not included in the shipment
TX8-5G	Industrial-grade Gigabit 5-port Ethernet switch, rail-mounted, DC12-52V power supply - wide temperature range (-40°C-85°C) - Ministry of Public Security inspection report - Ministry of Industry and Information Technology network access license . Power supply is not included in the shipment
TX8-8G	Industrial-grade Gigabit 8- port Ethernet switch, rail-mounted, DC12-52V power supply - wide temperature range (-40°C-85°C) - Ministry of Public Security inspection report - Ministry of Industry and Information Technology network access license . Power supply is not included in the shipment
TX8-16G	Industrial-grade Gigabit 5-port Ethernet switch, rail-mounted, DC12-52V power supply - wide temperature range (-40°C-85°C) - Ministry of Public Security inspection report - Ministry of Industry and Information Technology network access license . Power supply is not included in the shipment
TX8-5EP	Industrial-grade 100M 5- port POE Ethernet switch, rail-mounted, DC 48-52V power supply - wide temperature range (-40°C-85°C) - Ministry of Public Security inspection report - Ministry of Industry and Information Technology network access license . Power supply is not included in the shipment
TX8-8EP	Industrial-grade 100M 8- port POE Ethernet switch, rail-mounted, DC 48-52V power supply - wide temperature range (-40°C-85°C) - Ministry of Public Security inspection report - Ministry of Industry and Information Technology network access license . Power supply is not included in the shipment
TX8-9EP	Industrial-grade 100M 9- port POE Ethernet switch, rail-mounted, DC 48-52V power supply - wide temperature range (-40°C-85°C) - Ministry of Public Security inspection report - Ministry of Industry and Information Technology network access license . Power supply is not included in the shipment
TX8-5 GP	Industrial-grade Gigabit 5-port POE Ethernet switch, rail-mounted, DC 48-52V power supply - wide temperature range (-40°C-85°C) - Ministry of Public Security inspection report - Ministry of Industry and Information Technology network access license . Power supply is not included in the shipment
TX8-8GP	Industrial-grade Gigabit 8- port POE Ethernet switch, rail-mounted, DC 48-52V power supply - wide temperature range (-40°C-85°C) - Ministry of Public Security inspection report - Ministry of Industry and Information Technology network access license . Power supply is not included in the shipment

SPECIFICATION

product name	Industrial Ethernet Switches
Product Description	Industrial switch with 1 100M/1000M uplink port + 4~16 100M/1000M downlink ports
Port Description	5~16 RJ45 network ports
Lightning protection level	Port 6 KV lightning protection
Network protocol	IEEE802.310BASE-TIEEE802.3i 10Base-T;IEEE802.3u;100Base-TX/FX; IEEE802.3ab1000Base-T; IEEE802.3z1000Base-X;IEEE802.3x; IEEE802.3af, IEEE802.3at
RJ45 port	10/100/1000BaseT(X) auto-detection, full/half-duplex MDI/MDI-X auto-sensing
Twisted Pair	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-TX: Cat6 or later UTP(≤100 meter)
Packet Buffer	100M: 0.68Mbit 1000M: 1.6Mbit
MAC address table	100M: 2K/1000M: 4K
Protection level	IP40
Power Indicator	PWR
Interface indicators	Electrical port (Link)
Input voltage	Non- POE: 12V~52V, POE: 48V~57V (dual power supply redundancy backup)
Access terminal	Phoenix Terminal
Power protection	Support dual power supply redundancy Support built-in overcurrent 4.0A protection Support reverse connection protection
Operating temperature	-40 ~ 85 °C (-40 ~ 185 °F)
Storage temperature	-40 ~ 85 °C (-40 ~ 185 °F)
Relative humidity	5% ~ 95%(no condensation)
Port Power	15.4W

MODEL : TX8-Unmanaged Switch

Theoretical anti-static	8KV
delay	<3us
Packet forwarding rate of the whole machine	100M: 0.744Mpps/1000M: 7.44Mpps
test creatificate	CCC National Compulsory Product Certification Certificate
Industry Standard	<p>EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A</p> <p>IEC(EN)61000-4-2(ESD):±8kV contact discharge,±15kV air discharge</p> <p>IEC(EN)61000-4-3(RS):10V/m(80 ~ 1000MHz)</p> <p>IEC(EN)61000-4-4(EFT): Power line: ±4kV; Data line: ±2kV</p> <p>IEC(EN)61000-4-5(Surge): Power line: ±4kV CM/±2kV DM; Data line: ±2kV</p> <p>IEC (EN) 61000-4-6 (radio frequency conduction): 3V (10kHz ~ 150kHz), 10V (150kHz ~ 80MHz)</p> <p>IEC(EN)61000-4-16(Common mode conduction):30V cont. 300V, 1s</p> <p>IEC(EN)61000-4-8</p> <p>Shock: IEC 60068-2-27</p> <p>Freefall: IEC 60068-2-32</p> <p>Vibration: IEC 60068-2-6</p>
shell material	aluminum alloy
Installation	DIN rail, wall mounted
Operating Voltage	Non- POE: 12V~52V, POE: 48V~57V
Mean time between failures	≥100,000 hours
packing list	One industrial Ethernet switch . User manual, warranty card, and certificate of conformity
After-sales service	One-month return and exchange, five-year warranty, lifelong maintenance