

MEGANet Gigabit PoE Managed Switch I 8-Port I Industrial

The MEGANet 8-Port Gigabit PoE Managed Industrial Switch is a rugged, high-performance PoE+ solution designed for reliable operation in harsh environments. With 8x 10/100/1000Base-T PoE+ ports and 2x 1.25G SFP uplinks, it delivers seamless data and power to IP cameras and industrial sensors. Advanced Layer 2 features, including VLAN, QoS, and PoE control, provide flexible network management. Built with durable aluminium housing, 6KV surge protection, and a wide operating temperature range of -40°C to 75°C, it is ideal for industrial and surveillance applications

Features

- Industrial rated device
- 8 x 10/100/1000M PoE+ RJ45 Ports – Max 30W per port
- 2 x Gigabit SFP Uplinks – High-speed connectivity
- Layer 2 Management – QoS, VLAN, Multicast, PoE
- High Protection – 6KV surge, 8KV contact / 15KV air ESD
- Wide Temp Range – -40°C to 75°C for harsh environments
- DIN-Rail Mount – Optimised for industrial use
- Ring Functionality – MSTP & ERPS



Applications

- Video Surveillance Systems
- Smart City Infrastructure
- Industrial Automation
- Remote Installations

Standard Compliance

- IEEE 802.3af/at
- IEEE 802.3ab
- IEEE 802.3u
- IEEE 802.3az
- IEEE 802.1Q
- RoHS
- CE, UL(US) Compliant

Optional

- Power Supply: DC adaptor (48-57V) | Not included, available on request

Warranty

- 2-year limited warranty covering defects in materials or workmanship; excludes improper use, improper installation, natural disasters, and liability is limited to repair or replacement only

Technical Specifications

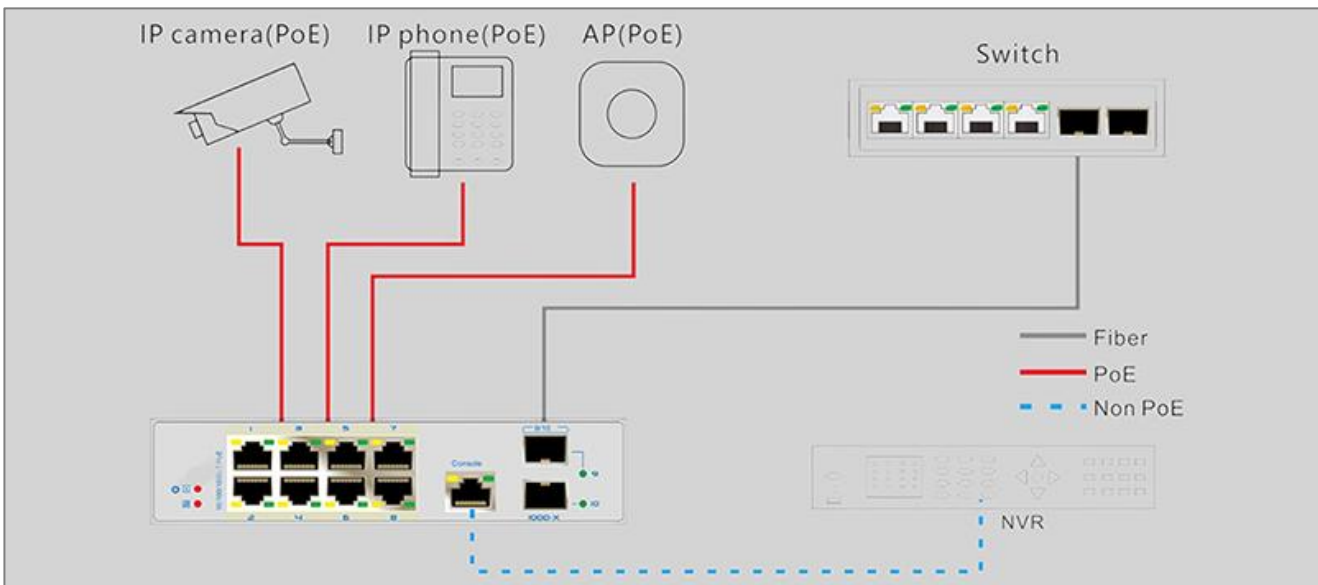
Description	Value
Protection Level	IP40
Power Supply	Powered by DC adaptor (48-57V)
Power Consumption	Self-consumption < 20W
Downlink Ports	8x 10/100/1000M PoE+ RJ45 (IEEE 802.3af/at)
Uplink Ports	2x 1.25G SFP
Switching Capacity	20Gbps
Throughput	14.88Mbps
MAC Address Table	8K entries
Buffer Size	1MB
Surge Protection	6KV
ESD Protection	8KV contact / 15KV air
Working Temperature	-40°C to 75°C
Humidity	0% to 95% non-condensing
Dimensions (L x W x H)	165mm x 115mm x 50mm
Weight	1kg
Material	Aluminium
Colour	Black

Software Features

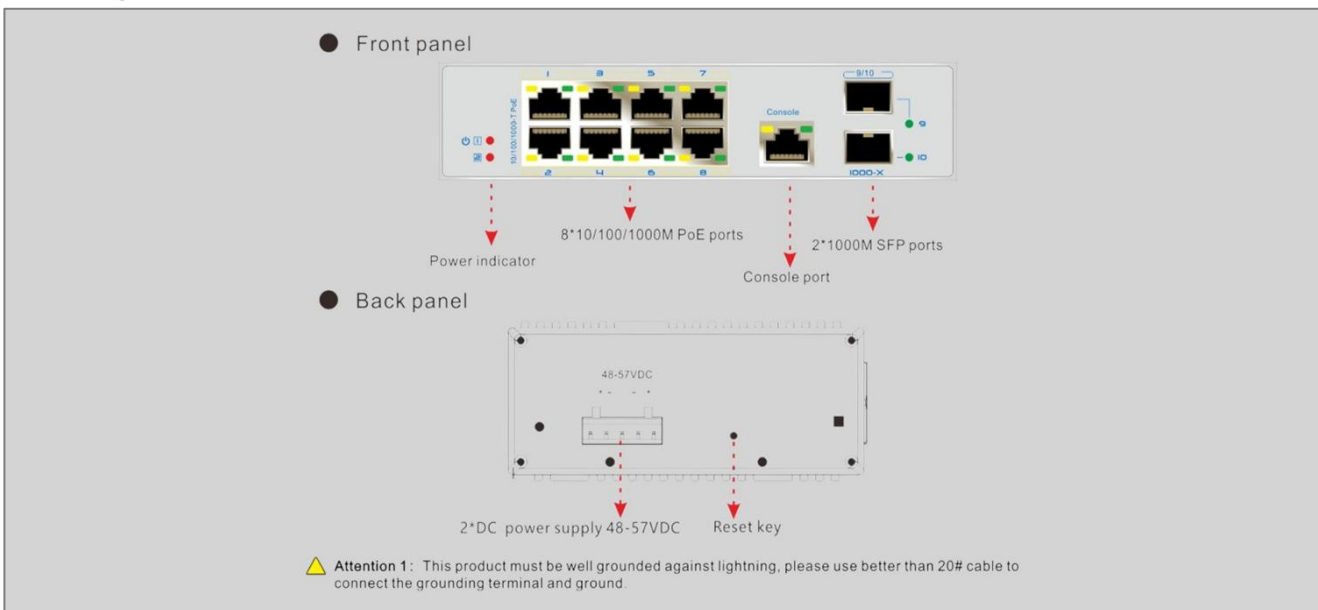
- Management Interfaces: Web-based GUI and CLI
- User Management: Configuration options for system settings, user management, SNMP, telnet, and SSH
- Port Configuration: Supports port trunking, port mirroring, flow control, and rate limiting
- VLAN: Supports up to 4094 VLANs, voice VLAN, and QinQ VLAN mapping
- Security Features: MAC binding, DHCP snooping, and ACL configuration
- QoS: Port-based, COS-based, DSCP-based QoS; WRR, SP, and WFQ scheduling
- PoE Management: Power control per port, PoE scheduling, and PD query

Applications

- Industrial Networks: Ideal for demanding industrial environments and harsh conditions
- Video Surveillance: Supports PoE-powered cameras and surveillance devices



Panel Diagram



Ordering Information

Product Code	Description
A-BT10-B00750	MEGANet Switch Industrial L2 Managed 8x 10/100/1000 PoE+(30W) 2x 1Gbps SFP Slot