



### **4\*GE PoE Copper+1\*GE Copper Uplink + 1\*GE Fiber Uplink Unmanaged Industrial PoE Ethernet Switch Size: 110mm\*40mm\*145mm, DIN Rail**

#### Overview

MES-1304-1S is an unmanaged Gigabit Ethernet switch. It features with 4\*10/100/1000M PoE ports, 1\*10/100/1000M uplink copper port, 1 GE uplink fiber ports. The port 1~4 supports IEEE 802.3af/at and can supply up to 30W for each PoE port. All business ports on this switch support 4KV ESD lightning protection and feature a one-key for VLAN, storm suppression and enhancement the stability of network. As a PoE power supply device, it can automatically detect and identify standard-compliant powered devices and provide power to them via network cables. It can supply power over Ethernet cables to PoE terminal devices such as wireless APs, network cameras, IP phones, and video intercom systems. This makes it suitable for network environments requiring high-density PoE power supply, such as hotels, campuses, parks, residential communities, and small to medium-sized enterprises, allowing for the construction of cost-effective networks. And it is plug and play, no configuration required, easy to use.

#### Features

- Single-port PoE power reaches 30W, af/at adaptive, widely compatible with various network terminals;
- Optical and copper hybrid uplink port, flexible adaptation to network cable and optical fiber connection, adapt to various networking cascades and expansions, and make networking easier;
- Support port VLAN, suppress network storms, and improve network transmission stability;
- Enterprise-level high-bandwidth switching chip, high backplane, large cache, reduce network congestion;
- Support IEEE802.3X full-duplex intelligent flow control, large code stream high-definition transmission without lag;
- Support MAC address automatic learning and update, support port automatic flip (Auto MDI/MDI-X) function;
- Business port supports 4KV surge protection (lightning protection), PoE short circuit and overload protection, safer and more reliable to use;
- Forged steel metal shell, shielding interference, strong heat dissipation, sturdy, rust-proof and more durable;
- Plug and play, no configuration required, easy to use.

### Specifications

Downlink Ports	4*10/100/1000M RJ45 copper PoE ports, self adaptive to 10/100/1000M, full duplex/half duplex , MDI/MDI-X, IEEE802.3af/at, PoE Powering and transmission distance <= 100 meters
Uplink Ports	1*10/100/1000M RJ45 copper 1*1000Base-X SFP(SFP modules are not included, but single mode, multi-mode, single fiber/duplex fiber are optional
Transmission Distance of Twisted Pair	10BASE-T:Cat3,4,5 UTP(<= 100 meters) 100BASE-TX: Cat5 or later UTP(<= 100 meters) 1000BASE-TX: Cat5e or later UTP(≤100 meters)
Fiber Cable	Multi-mode: 850nm 0 ~ 550M, 50μm/125μm&62.5μm/125μm Single-mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM. 9.5μm/125μm
DIP Switch	1 (VLAN), after turned on, ports 1-4 are isolated from each other, packet forwarding cache is optimized, and broadcast storms are suppressed
Type	Unmanaged
Ethernet Standards	IEEE802.3 10BASE-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX IEEE802.3x Flow Control IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-X IEEE802.3af DTE Power via MDI IEEE802.3at DTE Power via MDI
Transfer Method	Store and Forward (none blocking)
Backplane Bandwidth	12Gbps (none blocking)
Package Forwarding Rate@64byte	8.928Mpps
MAC Address Table	2K
Packet Buffer Memory	2Mbits
Jumbo Frame	9.2Kbytes
Indicator	Power indicator: PWR (green) Network indicator: Link/Act (green) PoE indicator: PoE(yellow) Fiber indicator: SFP(green)
MTBF	100000 hours
Power Supply	Inbuilt AC:100 ~ 240V 50-60Hz 1A
PoE Features	Port 1~4 support PoE, 1/2(+), 3/6(-) pin powering Total Power/Input Supply: 65W (AC100-240V) Max. 30W/port
Power Consumption of the switch	Standby: < 3W Full load:65W

Environmental Requirements	Working temperature: -20°C ~55°C Working humidity: 5% -90% RH no condensation Storage temperature -40°C ~75°C Storage humidity: 5% -95% no condensation
Dimension	203(L)×140(W)×45(H)mm
Net Weight	< 0.9kg
Gross Weight	< 1.3kg
Installation	Desktop/wall mount
Lightning Protection	4KV 8/20μs for ports
IP Rating	IP30
Warranty	1 year

### Ordering Information

Model	Description
MES-304-1S	6-port Unmanaged Commercial PoE Ethernet Switch 4*10/100/1000M RJ45 Copper PoE ports 1*10/100/1000M RJ45 Copper uplink port 1*GE Fiber uplink port Power supply: AC:100~240V 50-60Hz 1A Operating temperature: -20~+55°C IP30, desktop