MES5028M-4GS

24-port Fast Ethernet Modular + 4-port Gigabit Modular

Managed Industrial Ethernet Switch

Features

- Support IEEE802.3, IEEE802.3u, IEEE 802.3x, IEEE802.3ab/z, IEEE802.1Q, IEEE802.1p, IEEE802.1D/W, IEEE802.3ad
- SW-Ring ring network patent technology (Fault recovery time<20ms）
- Support for the modular interface, the type of interface can be matched according to need
- Support static multicast, IGMP Snooping and GMRP
- Support Port based VLAN and IEEE 802.1Q VLAN
- Support QOS absolutely and opposite priority
- Support bandwidth management and storm suppression
- Support WEB, SNMP and Telnet configuration
- Support IEEE802.1X authentication and system log
- Support port mirror and port trunking
- Support port status display, data update.
- Support configuration file up and download
- Support redundancy power supply(100～240VAC/DC)
- Support 1 channel relay alarm output
- Industrial grade 4 design, -40-75℃ work temperature
- IP30 protection grade, 19-inch rack mounting
- No fan deign



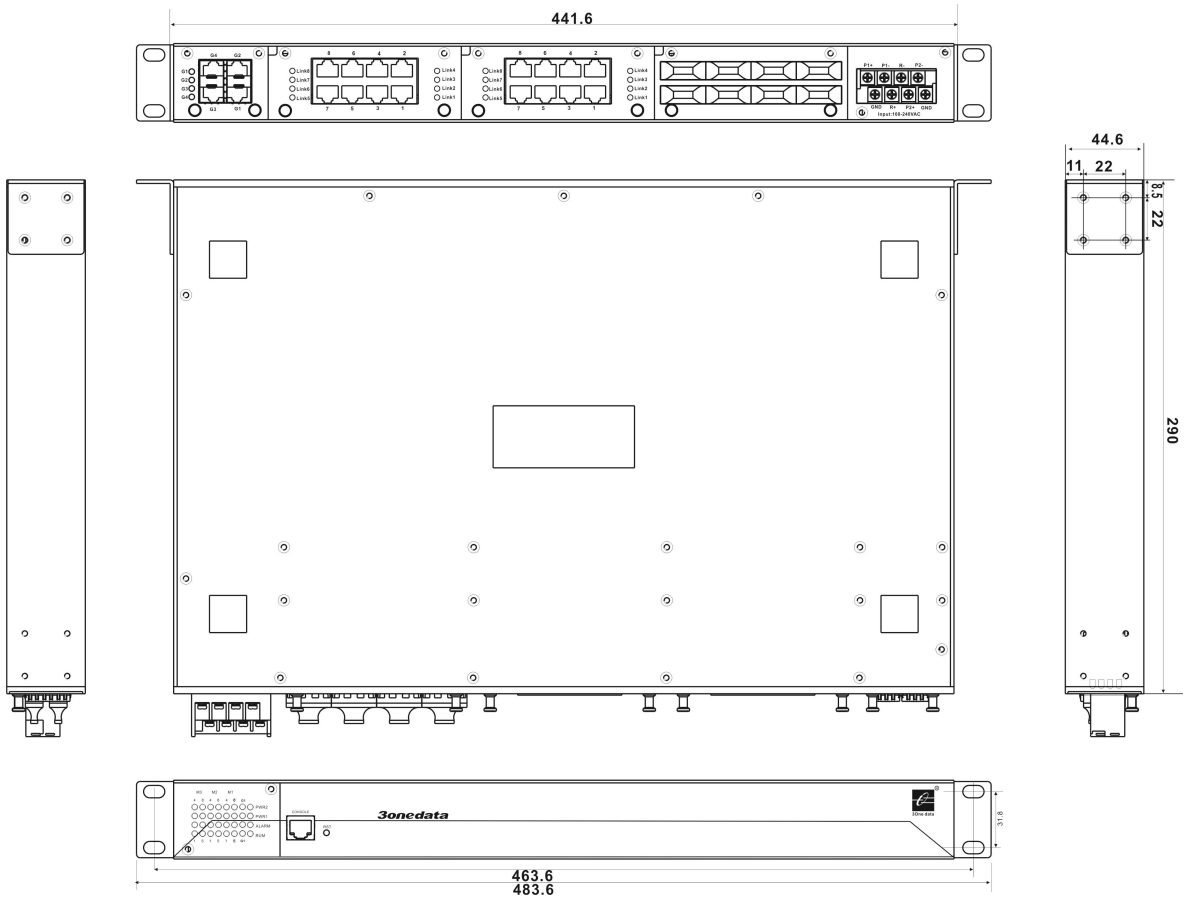
Introduction

MES5028M-4GS is a high performance, cost-effective high-end intelligent modular switch which supports 24 Fast Ethernet Ports and 4 Gigabit Ethernet ports. This product provides 3 groups of 8 Fast Ethernet interface module, 1 groups of 4 Gigabit interface module. The type of interface can be matched according to need. The MES5028M-4GS is a gigabit managed industrial switches, by Shenzhen 3onedata technology Co., Ltd independent research. MES5028M-4GS switch provide senior management functions, such as: SW-Ring, virtual local area network, trunking, quality of service QoS, rate control, port mirroring, fault alarm and firmware online upgrade. SW-Ring™ is an arithmetic designed as a rapid redundancy network. It provided recover technology for fault of rapid redundant network, the recovery time<20ms. Aiming at the security problems appearing in the LAN, the security function of 802.1x authentications is provided, and the visual WEB operation interface is provided.

Product accorded to CE, FCC standard and Industry grade 4 design requirement, support 2 channel power input and 1 channel relay alarm output, and -40～75℃ working temperature, can meet all kinds of Industrial environment requirement. It can use in power, water conservancy, transportation area etc.

Dimension

Unit (mm)



Specification

Technology

Standard: Support IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1D, IEEE802.1W, IEEE802.3ad

Protocol: ARP, ICMP, TCP, DHCP, DNS, HTTP, Telnet, SW-Ring, RSTP, SNMP

Flow control: IEEE802.3x flow control, back press flow control

Function

Switch function: SW-Ring, QOS, 802.1QVLAN, RSTP, SNMP, Port trunking, static multicast filter, port mirroring, bandwidth management, broadcast storm control, port flow statistics, upgrade online, up and download configuration file, user name access system

SW-Ring: Support Single, Couple, Chain, Dual homing

Exchange attribute

100M forward speed: 148810pps

1000M forward filter speed: 1488100pps

Transmit mode: store and forward

System exchange bandwidth: 12.8G

MAC address table: 8K

Memory: 3M

Interface

Electric port: 10Base-T/100Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect;
10Base-T/100/1000Base-TX auto speed control, Half/full duplex and MDI/MDI-X auto detect

100M optic fiber port: 100Base-FX, SC/ST/FC connector, support single mode (20/40/60/80Km optional), multi mode (2Km), wavelength: 1310nm, 1550nm

1000M fiber port: 1000Base-FX (SFP port, LC connector)

Console port: debug serial port carry out CLI command

Alarm port: 2 bit terminal block
1 channel relay alarm output
Current load capacity: 5A@250VAC

Transfer distance

Twisted cable: 100M (standard CAT5/CAT5e cable)

Multi-mode: 1310nm, 2/5Km

Single-mode: 1310nm, 20/40/60Km

1550nm, 80/100/120Km

LED indicator

Run indicator: Run

Interface indicator: Link (1~24/G1~G4)

Power supply indicator: PWR

Alarm indicator: Alarm

Power supply

Input Voltage: 100～240VAC/DC

Type of input: 8 bits terminal block

Overload current protect: 1.2A

Consumption

No-load consumption: 6W

Full-load consumption: 21W

Working environment

Working temperature: -40～75℃

Storage temperature: -40～85℃

Relative Humidity: 5%~95 %(no condensation)

Mechanical Structure

Shell: IP30 protect grade, metal shell

Installation: 19" 1U rack

Size (W×H×D): 441.6mm×44.6mm×290mm

Industry Standard

EMI: FCC Part 15, CISPR (EN55022) class A

EMS: EN61000-4-2 (ESD), Leve 4

EN61000-4-3 (RS), Level 3

EN61000-4-4 (EFT), Level 4

EN61000-4-5 (Surge), Level 4

EN61000-4-6 (CS), Level 3

EN61000-4-8, Level 5

Shock: IEC 60068-2-27

Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Certification

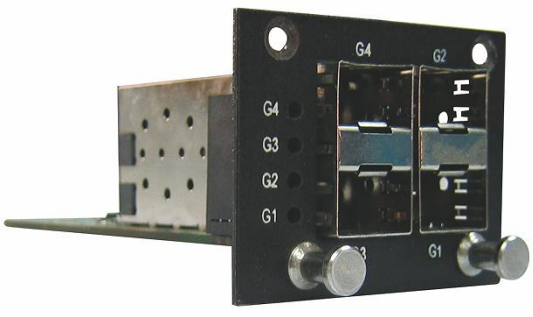
CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Packing List

1. Ethernet switch MES5028M-4GS ×1
2. User manual x 1
3. CD x 1
4. Certificate of quality x 1
5. Warranty card x 1
6. Power cable x 1

Modular Information

Gigabit Ethernet Modular	
PL-MES5028M-4GSFP	**PL-MES5028M-4GTX**
4–port 1000Base-FX SFP slots Ethernet Modular	*4-port 10/100/1000Base-TX RJ45 Ethernet Modular*
	

Fast Ethernet Modular

PL-MES5028M-8TX

8-port 10/100Base-T(X) RJ45 Ethernet Modular



PL-MES5028M-2F-6TX

2-port 100Base-FX ST/SC/FC + 6-port 10/100Base-T(X) RJ45 Ethernet Modular



PL-MES5028M-4F-4TX

4-port 100Base-FX ST/SC/FC+ 4-port 10/100Base-T(X) RJ45 Ethernet Modular



PL-MES5028M-8F

8-port 100Base-FX ST/SC/FC Ethernet Modular



PL-MES5028M-8FSFP

8-port 100Base-FX SFP slots Ethernet Modular



PL-MES5028M-2FSFP-6TX

2-port 100Base-FX SFP slots + 6-port 10/100Base-T(X) RJ45 Ethernet Modular



PL-MES5028M-4FSFP-4TX

4-port 100Base-FX SFP slots +4-port 10/100Base-T(X) RJ45 Ethernet Modular

