

MES5028M

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

Managed Industrial Ethernet Switch

Features

- Support IEEE802.3, IEEE802.3u, IEEE802.3z/ab, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1W/D, IEEE802.3ad, IEEE802.1X
- Support for the modular interface, the type of interface can be matched according to need
- SW-Ring ring network patent technology (Fault recovery time<20ms)
- Support STP/RSTP to enhance network stability
- 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 configuration file up and download
- Support redundancy power supply(100 ~ 240VAC/DC)
- Support 1 channel relay alarm output
- Industrial grade 4 design, -40-85°C work temperature
- IP40 protection grade, 19-inch rack mounting



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 ~ 85°C working temperature, can meet all kinds of Industrial environment requirement. It can use in power, water conservancy, transportation area etc.

Specification

Technology

Standard: IEEE802.3, IEEE802.3u, IEEE802.3z/ab, IEEE802.3x, IEEE802.1Q, IEEE802.1p, IEEE802.1W/D, IEEE802.3ad, IEEE802.1X
 Protocol: ARP, ICMP, TCP, DHCP, DNS, HTTP, Telnet, SW-Ring, RSTP, LACP, IGMP, GMRP, SNMP
 Flow control: IEEE802.3x flow control, back press flow

control

Function

Switch function: POE, SW-Ring, QOS, 802.1QVLAN, 802.1X, RSTP, LACP, ROMN, GMRP, IGMP Snooping, 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 speed: 1488100pps

Transmit mode: store and forward

System exchange bandwidth: 12.8Gbps

MAC address table: 8K

Memory: 3Mbit

Interface

100M RJ45 Port: 10/100Base-T(X) auto speed control,
Half/full duplex and MDI/MDI-X auto detect;

Gigabit RJ45 port: 10/100/1000Base-T(X) 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

Gigabit SFP port: 1000Base-X, SFP slot

Console port: RS-232 (RJ45 connector)

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, 2Km

Single-mode: 1310nm, 20/40Km

1550nm, 60/80/100/120Km

LED indicator

Run indicator: RUN

Power supply indicator: P1, P2

Alarm indicator: ALM

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

Power supply

Input Voltage: 100 ~ 240VAC/DC

Type of input: 8 bits terminal block

Overload current protect: 1.2A

Consumption

No-load consumption: 6W@220VAC

Full-load consumption: 21W@220VAC

Working environment

Working temperature: -40~85°C

Storage temperature: -40~85°C

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

Mechanical Structure

Shell: IP40 protect grade, metal shell

Installation: 19" 1U rack mounting

Weight: 1.07kg

Size (L×W×H): 441.6mm×290mm×44.6mm

Industry Standard

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

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

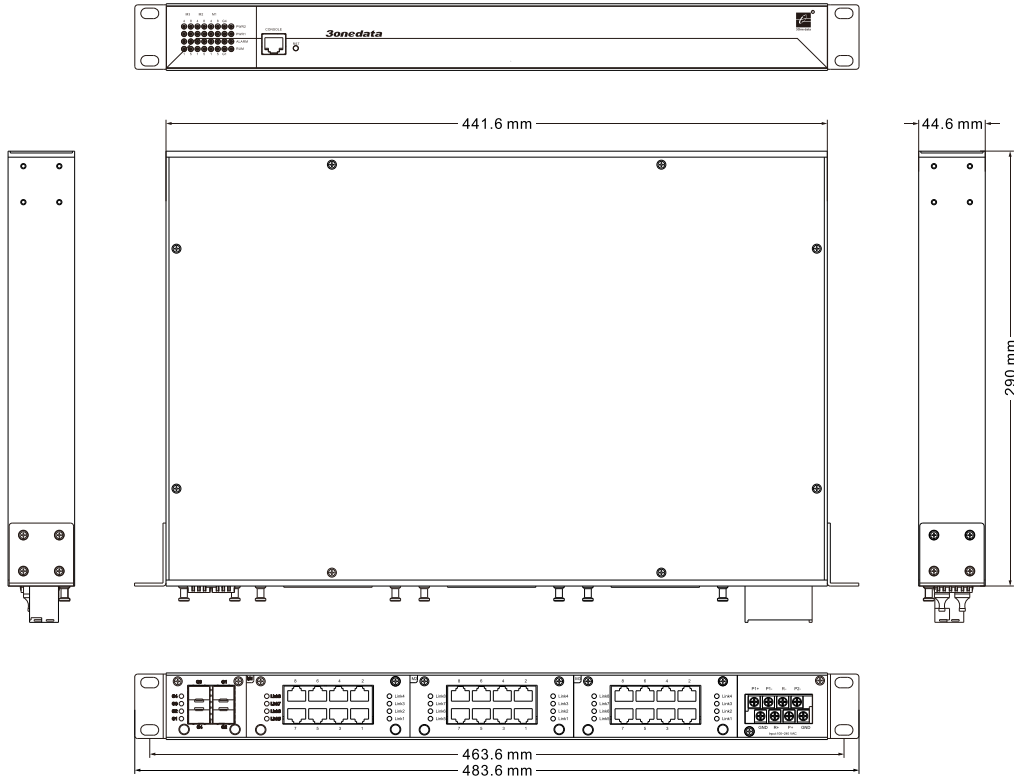
CE, FCC, RoHS, UL508 (Pending)

Warranty: 5 years

Packing List

1. Industrial Ethernet Switch (plus terminal block) ×1
2. User manual × 1
3. Documentation and software CD × 1
4. Certificate of quality × 1
5. Warranty card × 1
6. Rackmount ears × 2
7. Power cable × 1

Dimension (Unit: mm)

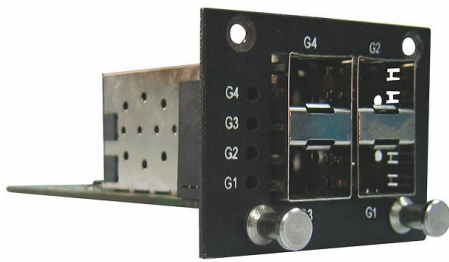


Modular Information

Gigabit Ethernet Modular

PL-MES5028M-4GSFP

4-port 1000Base-FX SFP slots Ethernet Modular



PL-MES5028M-4GTX

4-port 10/100/1000Base-TX RJ45 Ethernet Modular



Fast Ethernet Modular

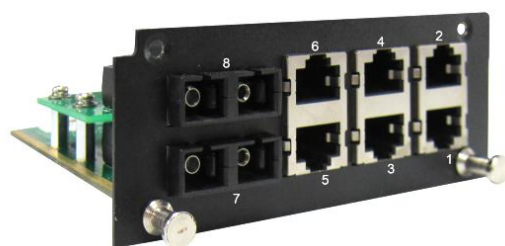
PL-MES5028M-8TX

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

