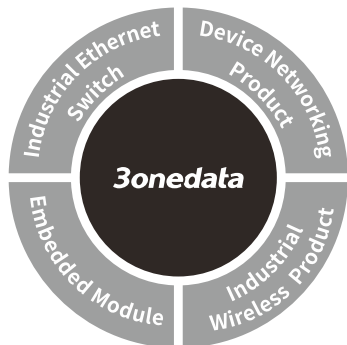


MES600 Series Managed Industrial Ethernet Switch Quick Installation Guide



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【Package Checklist】

Please check the integrity of package and accessories before using the switch.

- | | |
|-------------------------------------|------------------|
| 1. Switch x 1 (with terminal block) | 2. CD |
| 3. Quick installation guide | 4. Certification |
| 5. Warranty card | |

If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

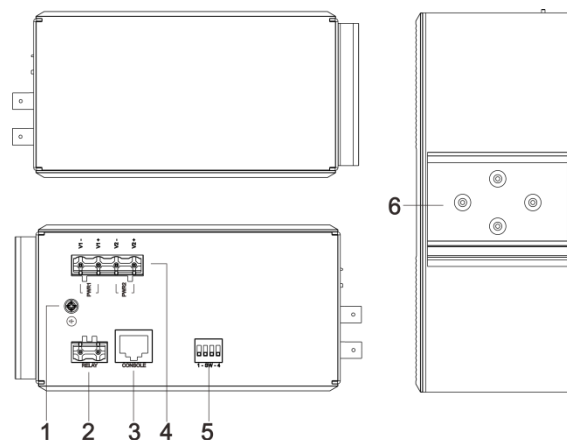
The series products are managed DIN-Rail industrial Ethernet switches designed for the electricity industry. Models as follows:

Model I. MES600-4T4F-4D (4 100M copper ports+ 4 100M fiber ports + 4 RS-232/485/422)

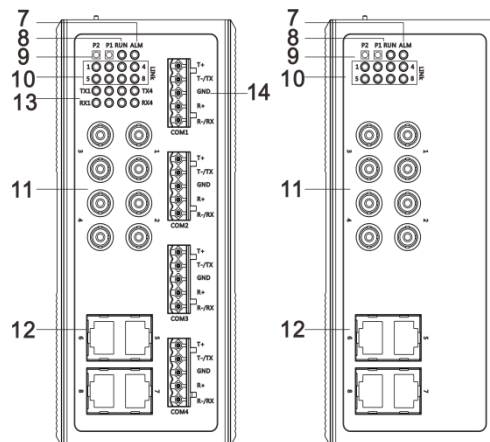
Model II. MES600-4T4F (4 100M copper ports + 4 100M fiber ports)

【Panel Design】

➤ Top view, bottom view and rear view



➤ Front view

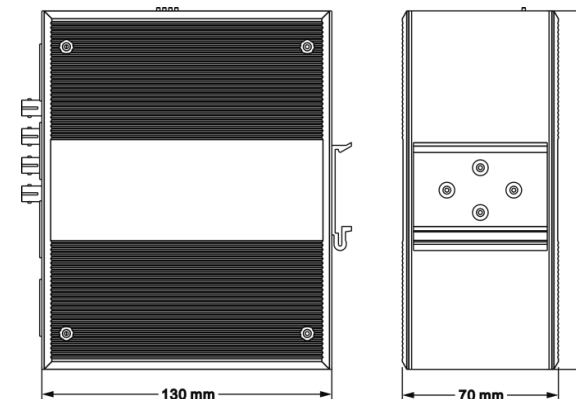


1. Grounding screw (protective earthing)
2. Relay output terminal block
3. Console port
4. PWR1/PWR2 power supply input
5. DIP switch (4 pins)
6. DIN-Rail mounting kit
7. Alarm indicator (ALM)
8. Device running status indicator (RUN)

9. PWR1/PWR2 power supply input indicators
10. Interface indicators
11. 100Base-FX fiber ports
12. 10/100Base-T(X) copper ports
13. Serial port transmit-receive indicators
14. 3IN1 serial port (RS-232/485/422)

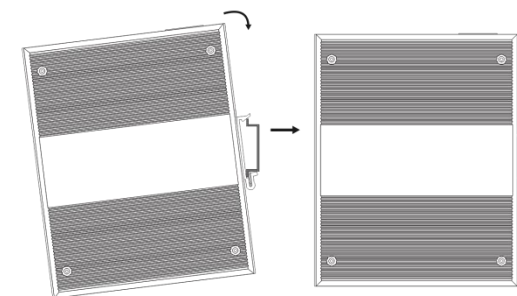
【Mounting Dimension】

Unit: mm



【DIN-Rail Mounting】

The product adopts 35mm standard DIN-Rail mounting, which is suitable for most industrial scenes; mounting steps as below:



- Step 1 Check if the DIN-Rail mounting kit is installed firmly.
- Step 2 Insert the bottom of DIN-Rail mounting kit (one side with spring support) into DIN-Rail, then insert the top into DIN-Rail.

Tips:

Insert a little to the bottom, lift upward and then insert to the top.

Step 3 Check and confirm the product is firmly installed on DIN-Rail, then mounting ends.

【Device Disassembling】

Step 1 Device power off.

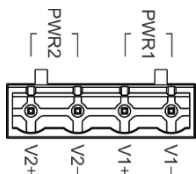
Step 2 After lift the device upward slightly, first shift out the top of DIN-Rail mounting kit, then shift out the bottom of DIN-Rail, disassembling ends.



Notes:

- Don't place or install the device in area near water or moist, keep the relative humidity of the device surrounding between 5%~95% without condensation.
- Before power on, first confirm the supported power supply specification to avoid over-voltage damaging the device.
- The device surface temperature is high after running; please don't directly contact to avoid scalding.

【Power Supply Connection】



This series of devices provide 4-pin power supply input terminal blocks and support DC input. DC power supply input supports redundant power supply input and provides PWR1 and PWR2 input terminal blocks, which can be used separately or connected to two independent DC power supply systems. Two pairs of terminal blocks are connected to the device simultaneously; when any one power supply system fails, the device can be uninterruptedly and normally running, which has improved the reliability of network operation.

Power supply range: 12~48VDC

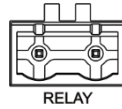


Note:

- Power ON operation: First insert the power supply terminal block into the device power supply interface, then plug the power supply plug contact and power on.

- Power OFF operation: first unpin the power plug, then remove the terminal block wiring part, please note the operation order above.

【Relay Connection】



Relay terminals are a pair of normally open contacts in device alarm relay. They are open circuit in normal non alarm state, closed when any alarm information occurs. Such as: it's closed when power off, and send out alarm. This series switches support 1 channel relay alarm information output, support DC power alarm information or network abnormal alarm output, it can be connected to alerting lamp, alarm buzzer, or other switching value collecting devices for timely warning operating staffs when alarm information occurs.

【DIP Switch Setting】

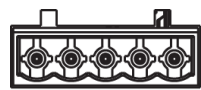


The device provides 4-pin DIP switch for function setting, where "ON" is enable valid terminal. Please power on again after changing the DIP switch status. DIP switch define and operation method as follows:

1. Reserved
2. Reboot
3. System upgrading
4. Reserved

【Serial Port Connection】

➤ 3IN1 Interface



This series of model I provides 3IN1 serial port, supports RS232, RS485 and RS422 at the same time, interface type is terminal block, the pin definitions as

shown in the follow table:

PIN	1	2	3	4	5
RS-232	—	TXD	GND	—	RXD
RS-485	D+	D-	GND	—	—
RS-422	T+	T-	GND	R+	R-

【Console Port Connection】

The device provides 1 program debugging port based on RS232 serial port, which can be connected to PC for device

CLI command management. The interface adopts RJ45 interface, RJ45 pin definition as follows:

Pin NO.	2	3	5
Pin definition	TXD	RXD	GND

【Checking LED Indicator】

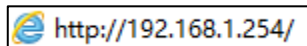
The device provides LED indicators to monitor the device working status with a comprehensive simplified troubleshooting; the function of each LED is described in the table as below:

LED	Status	Description
P1	ON	PWR1 is connected and running normally
	OFF	PWR1 is disconnected and running abnormally.
P2	ON	PWR2 is connected and running normally
	OFF	PWR2 is disconnected and running abnormally
ALM	ON	Power supply, port link alarm
	OFF	Power supply, port link without alarm
RUN	OFF	The device is powered off or the device is abnormal.
	Blinking	It flashes once per second, and the device running normally.
Link 1~8	ON	Ethernet port has established an active network connection
	Blinking	Ethernet port is in a network activity state
	OFF	Ethernet port hasn't established an active network connection
RX/TX(1-4)	Blinking	Serial port is transmitting/receiving data
	OFF	No data or abnormal data is being transmitted through serial port

【Logging in to WEB Interface】

This device supports WEB management and configuration. Computer can access the device via Ethernet interface. The way of logging in to device's configuration interface via IE browser is shown as below:

- Step 1 Configure the IP addresses of computer and the device to the same network segment, and the network between them can be mutually accessed.
- Step 2 Enter device's IP address in the address bar of the computer browser.



- Step 3 Enter device's username and password in the login window as shown below.



- Step 4 Click "OK" button to login to the WEB interface of the device.



Note:

- The default IP address of the device is "192.168.1.254".
- The default username and password of the device is "admin12345".
- If the username or password is lost, user can restore it to factory settings via device DIP switch or management software; all modified configurations will be cleared after restoring to factory settings, so please backup configuration file in advance.
- Please refer to user manual for specific configuration

method of logging in to WEB interface and other configurations about network management function.

【Specifications】

Panel	
100M fiber ports	100Base-FX
100M copper ports	10/100Base-T(X) self-adapting RJ45 port, full duplex/half-duplex self-adaption or forced working mode, support MDI/MDI-X self-adaption
Console port	CLI command management port (RS-232), RJ45
Alarm interface	2-pin 7.62mm pitch terminal block, support 1 relay alarm information output.
Indicator	Power indicator, run indicator, interface indicator, alarm indicator and serial port indicator
Power Requirements	
Input power supply	12 ~ 48VDC; Support dual redundant power supply, non-polarity; Support built-in 2.0A overcurrent protection.
Access terminal	4-pin 7.62mm pitch terminal blocks
Switch Properties	
Switching bandwidth	1.6G
Packet buffer size	3Mbits
MAC table size	8K
Consumption	
MES600-4T4F-4D	<ul style="list-style-type: none"> ➤ No-load power consumption: 8.54W@24VDC ➤ Full-load power consumption: 9.34W@24VDC

MES600-4T4F	<ul style="list-style-type: none"> ➤ No-load power consumption: 7.75W@24VDC ➤ Full-load power consumption: 8.47W@24VDC
Environmental Limits	
Working temperature	-40~85℃
Storage temperature	-40~85℃
Working humidity	5%~95% (no condensation)
Protection grade	IP40 (metal shell)