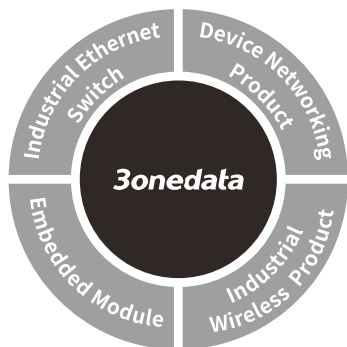


IPS316-2GC-4POE Unmanaged Industrial PoE Ethernet Switch Quick Installation Guide



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【Package Checklist】

Please check whether the package and accessories are intact while using the switch for the first time.

- | | |
|---------------------------------|------------------|
| 1. Industrial Ethernet switch | 2. Certification |
| 3. Quick installation guide | 4. Warranty card |
| 5. DIN-Rail mounting attachment | |

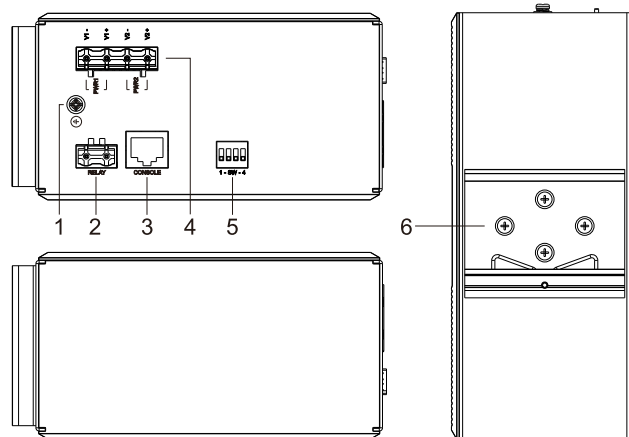
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

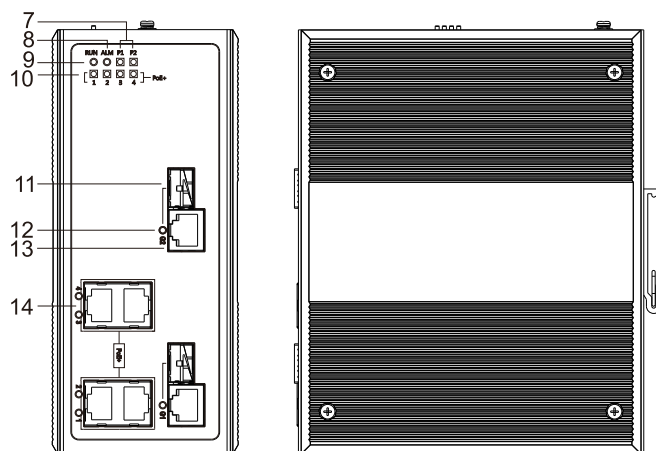
The product is unmanaged industrial DIN-Rail PoE Ethernet switch. The model is: IPS316-2GC-4POE (2 Gigabit Combo Ports + 4 100M PoE Copper Ports)

【Panel Design】

➤ Top view, Bottom view and Rear view



➤ Front view and Side view

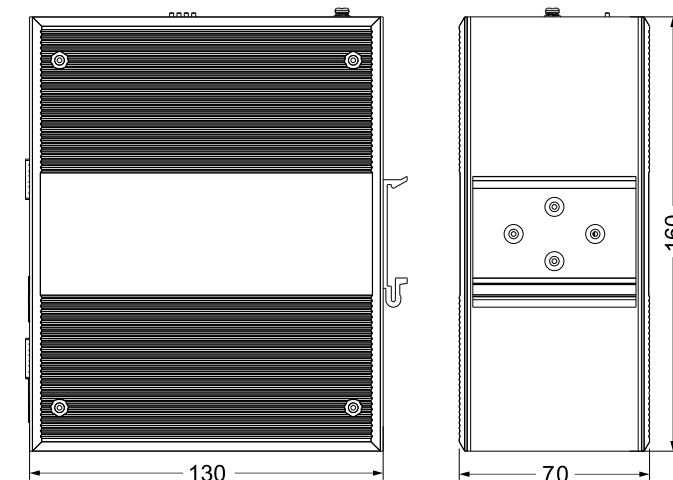


1. Grounding screw
2. Relay alarm output terminal block
3. Console port (Reserved)
4. Power input terminal block
5. DIP switch
6. DIN-Rail mounting kit
7. Power supply input status indicator P1/P2
8. Relay alarm indicator ALM
9. Device running indicator RUN
10. 100M PoE copper port PoE power supply status indicator

11. Gigabit SFP slot of Gigabit Ethernet Combo port
12. Ethernet port status indicator
13. Gigabit copper port of Gigabit Ethernet Combo port
14. 10/100Base-T(X) 100M Ethernet PoE copper port

【Mounting Dimension】

Unit: mm

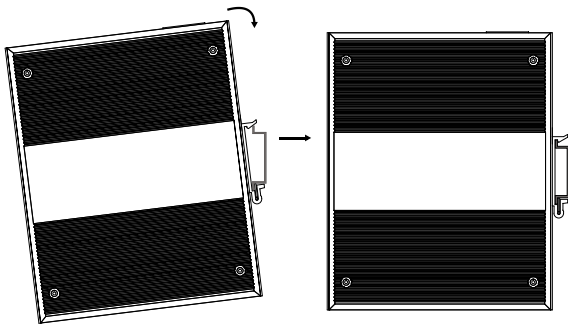


Attention before mounting:

- 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.

【DIN-Rail Mounting】

For convenient usage in industrial environments, the product adopts 35mm DIN-Rail mounting, mounting steps as below:



Step 1 Check whether the DIN-Rail mounting kit that comes with the device is installed firmly.

Step 2 Insert the bottom of DIN-Rail mounting kit (one side with spring support) into DIN-Rail, and 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, and then mounting ends.

【Disassembling DIN-Rail】

Step 1 Power off the device.

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



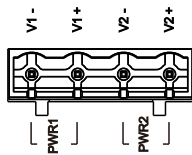
Attention before power on:

- Power ON operation: first connect power line to the connection terminal of device power supply, and then power on.
- Power OFF operation: first unpin the power plug, and then remove the power line, please note the operation order above.

【Power Supply Connection】

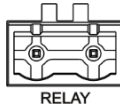
➤ DC power supply

The product provides 4 pins power supply input terminal blocks and two independent DC power supply systems of



PWR1 and PWR2. The power supply supports anti-reverse connection. Power supply range: 48VDC.

【Relay Connection】



Relay terminal blocks are a pair of normally open contacts in the alarm relay of the device. They are open circuit in the status of normal no alarm, and closed when any warning message occurs. For example: they are closed and send out alarm when power off. The product supports 1 relay warning message output, and network abnormal alarm output. It can be connected to alarm indicator, alarm buzzer, or other switching value collecting devices for timely warning operating staffs when the warning message occurs.

【DIP Switch Settings】



The product provides 4 pins DIP switch for function settings, where "ON" is the enable valid terminal.

DIP switch definitions as follows:

DIP	Definition	Operation
1	Flow control	Set the DIP switch to ON
2	Port alarm	Set the DIP switch to ON
3	Specified 10M of 100 M copper port	Set the DIP switch to ON
4	VLAN division and isolation (G2 could communicate with other ports but other ports cannot communicate with each other)	Set the DIP switch to ON

【Checking LED Indicator】

The function of each LED is described in the table as below:

LED	Status	Description
P1	ON	P1 is connected and running normally

	OFF	P1 is disconnected and running abnormally.
P2	ON	P2 is connected and running normally
	OFF	P2 is disconnected and running abnormally
ALM	ON	Port link alarm
	OFF	Port link without alarm
RUN	ON	The device is powering on or abnormal.
	OFF	The device is powered off or abnormal.
	Blinking	Blink once per second, the device is running well.
Link/ACT (1-4/G1-G2)	ON	Ethernet port has established valid connection.
	Blinking	Ethernet is in an active network status
	OFF	Ethernet port has not established valid connection.
PoE+ (1-4)	ON	PoE port is powering other devices.
	OFF	PoE port is not connected or PoE function is not enabled.

【Specification】

Panel	
Gigabit Combo port	1000Base-X, optional Gigabit SFP slot or 10/100/1000Base-T(X) Gigabit RJ45
100M PoE copper port	10/100Base-T(X) self-adapting RJ45 port, full/half duplex self-adaption or specified operating mode, support MDI/MDI-X self-adaption; the greatest output power of single PoE port is 30W

PoE power supply pin	V+, V+, V-, V- correspond to 1, 2, 3, 6
Console port	(Reserved)
Alarm interface	2 pins 7.62mm pitch terminal blocks, support 1 channel relay alarm information output, current loading ability is 1A@24VDC or 0.5A@120VAC
Indicator	Power indicator, running indicator, interface indicator, alarm indicator and PoE+ indicator
Exchange attributes	
Backplane bandwidth	7.6G
Packet buffer size	1Mbit
MAC table size	8K
Power supply	
Input power supply	48VDC, dual power supply redundancy, anti-reverse connection
Access terminal	4 pins 7.62mm pitch terminal blocks
Consumption	
No-load	7.9W@48VDC
Full-load	113.4W@48VDC
Environmental Limits	
Working temperature	-40~75℃
Storage temperature	-40~75℃
Working humidity	5%~95% (no condensation)
Protection grade	IP40 (metal shell)