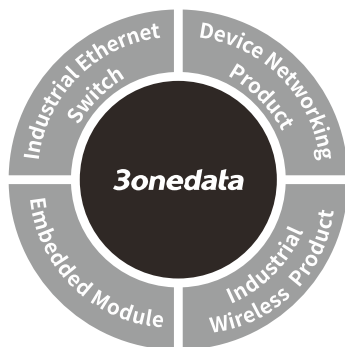


## INP3XXT 3IN1 Series Industrial Serial Device Server Quick Installation Manual



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### 【Package Checklist】

Please check whether the package and accessories are intact while using the serial device server for the first time.

- |                               |                                  |
|-------------------------------|----------------------------------|
| 1. Serial device server × 1   | 2. Quick Installation Manual × 1 |
| 3. Straight-through cable × 1 | 4. Power adapter × 1             |
| 5. DIN-Rail mounting kit × 1  | 6. Software CD × 1               |
| 7. Quality certificate × 1    | 8. Warranty card × 1             |

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 industrial serial device server. Models as follow:

Model I. INP312T-2D(3IN1)-DB (Dual Ethernet ports, 2-port 3IN1)

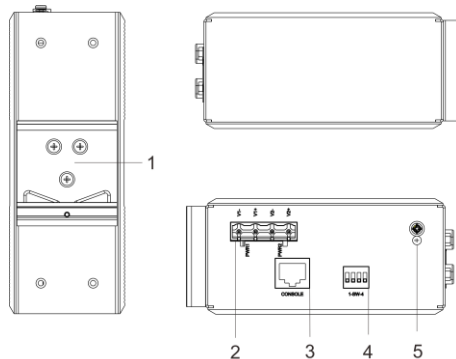
Model II. INP312T-2DI(3IN1)-DB (Dual Ethernet ports, 2-port 3IN1 with isolation)

Model III. INP314T-4D(3IN1)-DB (Dual Ethernet ports, 4-port 3IN1)

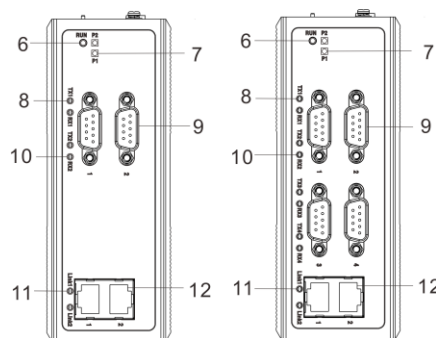
Model IV. INP314T-4DI(3IN1)-DB (Dual Ethernet ports, 4-port 3IN1 with isolation)

### 【Panel Design】

#### ➤ Rear view, Top view and Bottom view



#### ➤ Front view

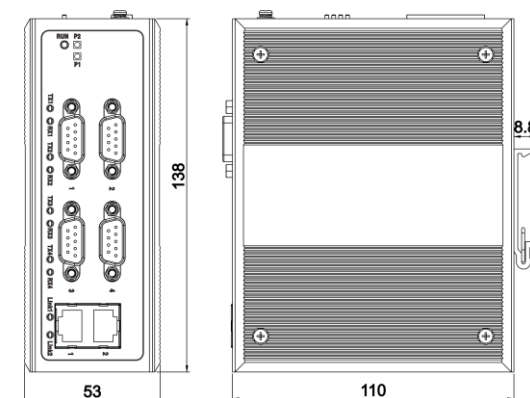


1. DIN-Rail mounting kit
2. 4-pin terminal block for power input
3. Console port
4. DIP switch
5. Grounding screw
6. Device running indicator RUN
7. Power supply input status indicator P1/P2
8. Serial port transmission data indicator TX
9. RS-232/485/422 3IN1 serial port

10. Serial port receive data indicator RX
11. Ethernet port status indicator
12. 10/100Base-T(X) copper port

### 【Mounting Dimension】

Unit: mm



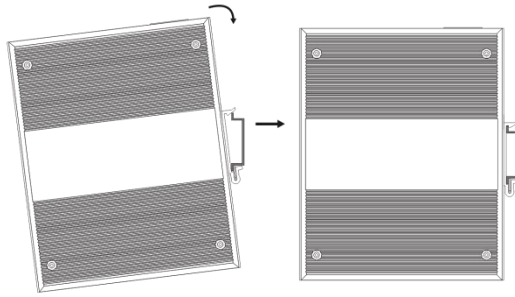
### Note Before Mounting:

- 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】

#### ➤ Mounting the Device

For convenient usage in industrial environments, the product adopts 35mm DIN-Rail mounting, 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.

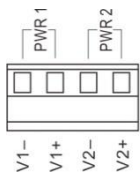
- Step 3 Check and confirm the product is firmly installed on DIN-Rail, then mounting ends.

#### ➤ 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.

### 【Power Supply Connection】

#### ➤ DC power supply



The series devices provide 4 bits power supply input terminal blocks and two independent DC power supply systems for PWR1 and PWR2. The power supply has nonpolarity and anti-reverse functions, it can

normally operate after reverse connection.

Power supply range: 12~48VDC



**Note:**

- Power ON operation: first connect power line to the connection terminal of device power supply, then power on.
- Power OFF operation: first unpin the power plug, then

remove the power line, please note the operation order above.

### 【Console Port Connection】

The device provides 1 channel procedure debugging port based on serial port. The interface adopts RJ45 port, and can conduct device CLI command line management after connected to PC.

PIN	2	3	5
PIN definition	TXD	RXD	GND

### 【DIP Switch Setting】

It provides 4-pin DIP switch for function configuration, where "ON" is enabled terminal. DIP switch definition and operation method as follows:

DIP	Definition	Operation
1	Reserved	-
2	Restore factory defaults	Set the DIP switch to ON, power on again, turn off the DIP switch.
3	Reserved	-
4	Reserved	-

### 【Serial Port Connection】

The device provides 3IN1 serial port, while supporting RS232, RS485 and RS422, interface type DB9 male, the pin definition is shown in the following table:

PIN	RS-232(with isolation)	RS-232(without isolation)	RS-422	RS-485
1	-	DCD	T+	D+
2	RXD	RXD	T-	D-
3	TXD	TXD	R+	-
4	-	DTR	R-	-
5	GND	GND	GND	GND
6	-	DSR	-	-
7	-	RTS	-	-
8	-	CTS	-	-
9	-	RI	-	-

### 【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	Indicate	Description
P1-P2	ON	The power connection is operating normally.
	OFF	The power is not connected or is not working properly.
RUN	ON	The system is not working properly.
	Flashing	The system is running normally.
	OFF	The system is not running or running abnormally.
LINK (1-2)	ON	The Ethernet interface has established an active network connection.
	Flashing	The Ethernet interface is in a network activity state.
	OFF	The Ethernet interface does not establish an active network connection.
RX Port(1-2/4)	OFF	No data or abnormal data is being received through serial port.
	Flashing	Serial port is receiving data.
TX Port(1-2/4)	OFF	No data or abnormal data is being transmitted through serial port.
	Flashing	Serial port is transmitting data.

### 【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(The network segment of Network Port 1 is 1, and the network

segment of network port 2 is 8), and the network between them can be mutually accessed.

Step 2 Enter device's IP address in the address bar of the computer browser.

Port1:

Port 2:

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 Network port 1 is "192.168.1.254", the default IP address of the device Network port 2 is "192.168.8.254",
- The default username and password of the device is "admin".
- 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.

**【Specification】**

<b>Panel</b>	
Fast Ethernet port	10/100Base-T(X) self-adaptation RJ45 port
RS-232/485/422 3IN1 serial port	DB9 male
Console port	CLI Command Management Port (RS-232), RJ45
Indicator	Power indicator, Running status indicator, Ethernet port Link/Act indicator, Serial port transmission and receiving data indicator
<b>Power supply</b>	
Input power supply	12~48VDC
Access terminal	4-pin 7.62mm pitch terminal block
<b>Consumption</b>	
No-load consumption	2.59W @48VDC
Full-load consumption	2.93W @48VDC
<b>Working environment</b>	
Working temperature	-40℃~75℃
Storage temperature	-40℃~85℃
Working humidity	5%~95% (non-condensing)
<b>Physical Characteristics</b>	
Protection grade	IP40 (mental shell)
Size (LxWxH)	138mmx110mmx53mm
Weight	maximum of about 640g
Mounting	DIN-Rail Mounting