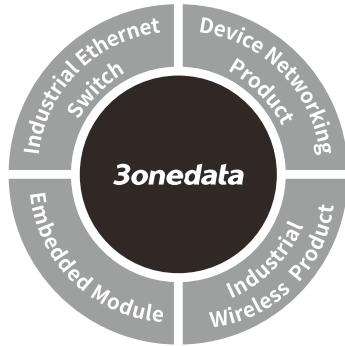


NP301 Serial Device Server Quick Installation Manual



3onedata Co., Ltd.

Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Xili, Nanshan District, Shenzhen

Website: www.3onedata.com

Tel: +86 0755-26702688

Fax: +86 0755-26703485

【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. Software CD × 1 | 6. 5-pin terminal block |
| 7. 3-pin terminal block | 8. Quality certificate × 1 |
| 9. Warranty card × 1 | |

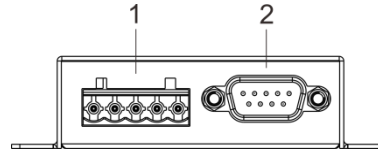
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

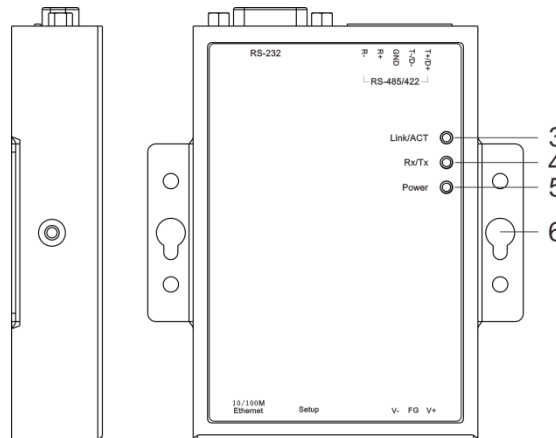
This product is a serial device server. Model as follow: NP301 (Single Ethernet, 1-port RS-232 or RS-485/422)

【Panel Design】

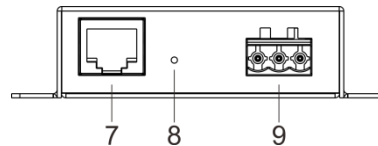
➤ Top view



➤ Side view and front view



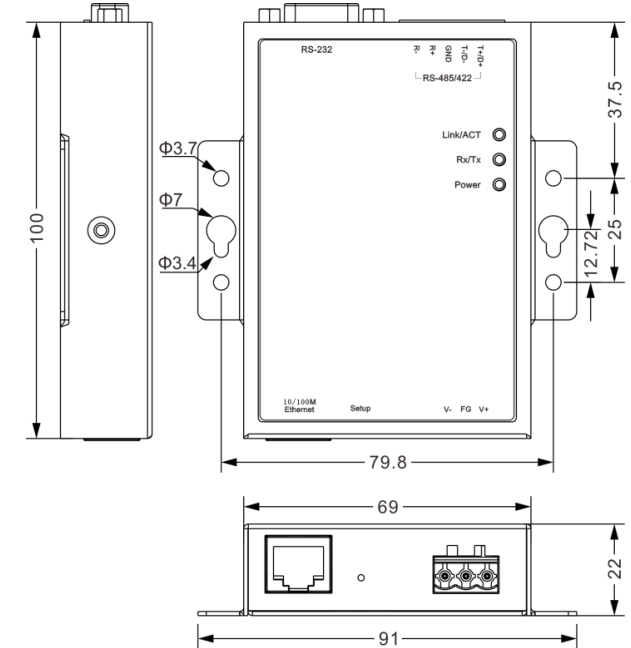
➤ Bottom view



1. RS-485/422 serial port
2. RS-232 serial port
3. Ethernet port link/act indicator
4. Serial port transmission or receive data indicator
5. Power supply status indicator
6. Wall mounting kit
7. 10/100Base-T(X) copper port
8. Restore factory settings button
9. Terminal block for power input

【Mounting Dimension】

Unit: mm



Note Before Mounting:

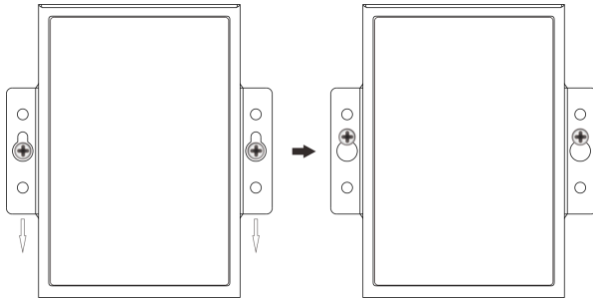
- Don't place or install the device in area near water or moist, keep the relative humidity of the device surrounding between 5%~95% without condensation.
- Before power on, first confirm the supported power supply specification to avoid over-voltage damaging the device.
- The device surface temperature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

【Wall Mounting】

➤ Mounting the Device

- Step 1 On the wall of device mounting, place the device on the wall for reference or reference the mounting dimension to mark two screw position.
- Step 2 Nail two M4 screws on the wall and keep 2mm interspace reserved.
- Step 3 Hang the device on two screws and slide

downward, then tighten the screw to enhance stability, mounting ends.

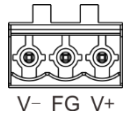


➤ Device Disassembling

- Step 1 Device power off.
- Step 2 Unscrew the screw on the wall about 2mm.
- Step 3 Lift the device outward slightly; take out the device, disassembling ends.

【Power Supply Connection】

➤ DC power supply



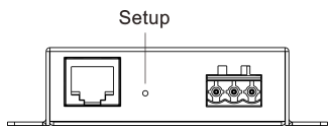
This device provides 3-pin power supply input terminal blocks (V-, FG, V+). The power supply support anti-reverse protection. Power supply range: 9~48VDC



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.

【Restore Default Settings】



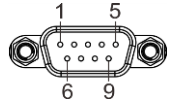
Setup is restoring default settings button. Restoring default settings steps as follows: Press and hold the setup button, disconnect the power supply and then give the device to power up, wait for about 3~4 seconds to restore the

factory settings.

【Serial Port Connection】

This device provides 1-port RS-232 or RS-485/422 serial port optional.

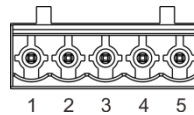
➤ RS-232 serial port



RS-232 adopt DB9-Male connector, the pin definition is shown in the follow table:

PIN	1	2	3	4	5	6	7	8	9
RS-232	-	RXD	TXD	DTR	GND	DSR	RTS	CTS	-

➤ RS-485/422 serial port



RS-485/422 adopt 5-pin 5.08mm pitch industrial terminal blocks. The pin definition is shown in the follow table:

PIN	1	2	3	4	5
RS-485	D+	D-	GND	-	-
RS-422	T+	T-	GND	R+	R-

【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:

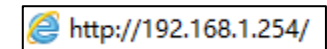
LED	Indicate	Description
PWR	ON	The power connection is operating normally.
	OFF	The power is not connected or is not working properly.
LINK	ON	The Ethernet interface has established an active network connection.
	Flashing	The Ethernet interface is in a network activity state.
	OFF	The Ethernet interface does not establish an active network connection.
Rx/Tx	OFF	No data or abnormal data is being received or transmitted through serial port.

	Flashing	Serial port is receiving or 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, 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 "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】

Panel	
Fast Ethernet port	10/100Base-T(X) self-adaptation RJ45 port, full duplex or half duplex self-adaptation
RS-232 serial port	DB9 male
RS-485/422 serial port	5-pin 5.08mm pitch terminal block
Indicator	Power indicator, Ethernet port Link/Act indicator, Serial port transmission and receiving data indicator
Power supply	
Input power supply	9~48VDC
Access terminal	3-pin 5.08mm pitch terminal block
Consumption	
No-load consumption	1.13W@9VDC
Full-load consumption	1.48W@9VDC
Working environment	
Working temperature	-40℃~75℃
Storage temperature	-40℃~85℃
Working humidity	5%~95% (non-condensing)
Physical Characteristics	
Protection grade	IP40 (mental shell)
Size (LxWxH)	100mm×69mm×22mm
Weight	240g
Mounting	Wall Mounting