GPS User Manual

1 Set GNSS

Select "Serial Utility">>>"GNSS" in sequence. Here, the network protocol is TCP Server, and the data type is selected according to needs. Generally, Raw date is chosen. After setting the local port, remember to use the IP address and port number of the serial port server when establishing a TCP connection. Use the serial port configuration bar to configure the baud rate, data bits, stop bits, and check bits of the serial port according to your own needs. After the configuration is completed, click Save and Apply.

₩ Router - GNSS ×	诸 百度翻译-200种语言互译、沟通:× 🗎 😤	定位上PRN是什么_百度搜索 × +		~	-		×
← → C △ ▲ 不安全 192	2.168.3.177/cgi-bin/luci/;stok=3b45ba66	e57db917d421156f7be970f1/admin/serial	/ttys1	? ☆	坐		() :
Seriallink [®] 50	GWI-FI 🦗 ustrial Router					-1	d.
▲ Route Status	Configuration						
Network Setting	Network Settings						
Serial Utility	Enable	2					
GNSS	Network Proto	TCP Server	~				
RS485_PORT1	Transport Proto	Raw data	~				
RS485_PORT2/CAM	Local Port	4002					
A Service Manage	Maximum number	6	~				
VPN Service	Time Out(s)	300					
🛠 System							
🕞 Logout	Serial Settings						
	Baud Rate	115200	~				
	Data bits	8	~				
	Stop bits	1	~				
	Parity	None	×				
				SAV	E & AF	PLY	

Maximum number of connections: The default is 6, which means that it supports up to 6 TCP clients to connect to the same serial port.

Timeout (seconds): The default is 300, which means that after the TCP server establishes a connection and there is no data, the connection is disconnected after 300 seconds. If a permanent online connection is required, the value can be set to 0.

2 Using tools and preparation

Select "Serial Utility">>"GNSS" and configure a port according to your own needs. A virtual serial port tool (using USR-VCOM as an example) is required to virtualize the port on the device into a com port on the computer. Enter the USR-VCOM software.

Click to add

QUSR-VO	OM Virtual S	erial Port Serve	er V3.7.2.529									<u>_</u> /2	×
Device(D)	Tools(<u>T</u>) O	ptions(O) Chi	inese Help(Ð									
Add COM	Del COM	Connect Re	© eset Count	Monitor	Search - Smart V		Quit						
Remarks	COM Name	Parameters	COM State	Net Protocol	Remote IP	Remote P	ort Local Port	COM Received	Net Received	Net State	RegID	CloudID	
	COM3	115200,N,8,1	Open	TCP Client	192.168.3.177	4002	22	2245	41588680	Connected	0		
-													

- $(1)\,$ Select a virtual serial port (COM).
- 2 The network protocol is set according to the device configuration page,
- TCP server TCP Clietn (software)(Device) TCP Client TCP Server (Software), (Device) UDP UDP (Software).
- ③ Fill in the IP address of the router for the target IP/domain name (192.168.2.1).
- ④ Fill in the local port set in the router's "Serial Utility">>"GNSS" for the target port (default 4002).
- \bigcirc Click OK to virtual the port to the computer's com port.

Vendent	[coup
Virtual COM:	
Net Protocol:	TCP Client 💌
Remote IP/add	Ir: 192.168.2.1
Remote Port:	4002
Local Port:	8234
Remarks:	
	- 1

After the virtualization is completed, open the Device Manager on the computer and check whether the virtual port in "Port (COM and LPT)" is successful.

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文件(E) 操作(A) 查看(V) 帮助(H)		
V 🗄 DESKTOP-ACOBODG		 ^
> 📷 IDE ATA/ATAPI 控制器		
> 🔲 处理器		
> 🔜 磁盘驱动器		
> 🎥 存储控制器		
> 💼 打印队列		
> 算 端口 (COM 和 LPT)		
🛱 ELTIMA Virtual Serial Port (COM3)		
🚔 打印机端口 (LPT1)		
📮 通信端口 (COM1)		
> 🎽 固件		
> 🔜 计算机		
> 🥅 监视器		
> 🥅 键盘		
▶ 23 其他设备		
IN PCI 内存控制器		
📓 SM 总线控制器		
> 🕅 人机接口设备		
> 📓 软件设备		
> 📑 软件组件		
> 👖 声音、视频和游戏控制器		
> 🕕 鼠标和其他指针设备		
> 🟺 通用串行总线控制器		~

3 Usage and viewing of GPS tools

3.1 Connecting devices

 $(1)\,$ Open the QGNSS software, click on Device, and select Set Device Information.



2 In Device Information, select the corresponding port based on the virtual COM port of USR-VCOM, and click OK to connect

Q Device In	formation X
Model	L26ADR ~
Port	COM3 Virtual Serial Port 9 (Eltima Software) ~ COM1 通信端口
Baudrate	NULL_COM3 Virtual Serial Port 9 (Eltima Software) COM3 Virtual Serial Port 9 (Eltima Software)
Advance	OK Cancel

3.2 Viewing longitude and latitude

After successful connection, the Data Dock will display data such as the longitude, latitude, and date time of the device.

le Device View Setting Iools DR AGNSS Window Help
Image: Second
Longitude and latitude Data Dock # x Longitude and latitude Longitude 114.37632183 Latitude 22.72801600 Altitude(MSL) Altitude(MSL) 166.82 Speed(km/h) DOD 0.60 PDOP PDOP 1.60 Fix Mode Outily Indicator DGNSS Date Time 08:54:04.000 Time 08:54:04.000 Total Times Fix ed Points 1186 1186
Longitude and latitude Longitude and latitude Longitude 114.37632183 Latitude 22.72801600 Altitude(MSL) 166.82 Speed(km/h) 0.00 HDOP 0.60 PDOP 1.60 Fix Mode 3D Quality Indicator DGNSS Date Time Date Time Dets4:04.000 Total Times 1265 Fixed Points 1186
Latitude 22.72801600 Altitude(MSL) 166.82 Speed(km/h) 0.00 HDOP 0.60 PDOP 1.60 Fix Mode 3D Quality Indicator DGNSS 0 Date Time 08:54:04.000 Time 08:54:04.000 Total Times 1265 Fix dPoints 1186
Attitude(MSL) 166.82 Speed(km/h) 0.00 HDOP 0.60 PDOP 1.60 Fix Mode 3D Quality Indicator DGNSS Date Time 023-04-13 Time 023-04-13 Time 1265 Fix 04 point 1186
Speed(km/h) 0.00 HDOP 0.60 PDOP 1.60 Fix Mode 3D Quality Indicator DGNSS Date Time 08:54:04.000 Total Times 1265 Fix Red Points 1186
HDOP 0.60 PDOP 1.60 FK Mode 3D Quality Indicator DGNSS Date Time 08:54:04.000 Total Times 1265 Fixed Points 1186
Date Time PDOP 1.60 Fix Mode 3D Quality Indicator DGNSS Date 2023-04-13 Time 08:54:04.000 Total Times 1265 Fixed Points 1186
Date Time 3D Quality Indicator DGNSS Date Time 2023-04-13 Time 08:54:04.000 Total Times 1285 Fixed Points 1186
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Date Time Date 2023-04-13 Time 08:54:04.000 08:54:04.000 Total Times 1265 Fixed Points 1186
Date Time 08:54:04.000 Total Times 1265 Fixed Points 1186
Total Times 1265
Fixed Points 1186
RTK Fixed 0
RTK Float 0
Age Of Diff
TTFF(s) 79.521
2D Acc(m)
3D Acc(m)
nnected to COM3 : 115200 Module: L26ADR

3.3 GNNS Satellite signal

Clicking on the GNNS signal window button will display the following interface. The number displayed above each flag is the C/No value. The information displayed below includes PRN, frequency band used by the satellite ("band"), azimuth ("AZI"), and satellite elevation ("ELE"). The more satellites there are, the more accurate the positioning data is.



3.4 Sky View

After clicking the button, the 'Satellite View' will open, displaying the azimuth and elevation angles of the currently fixed satellites.



3.4 Online Map

Clicking on the electronic map button will display the map of the area where the device is located and its location. The area map can be zoomed in and out to see its exact location.

