

NET660i host sends differential
data through Ntrip Caster and
TCP

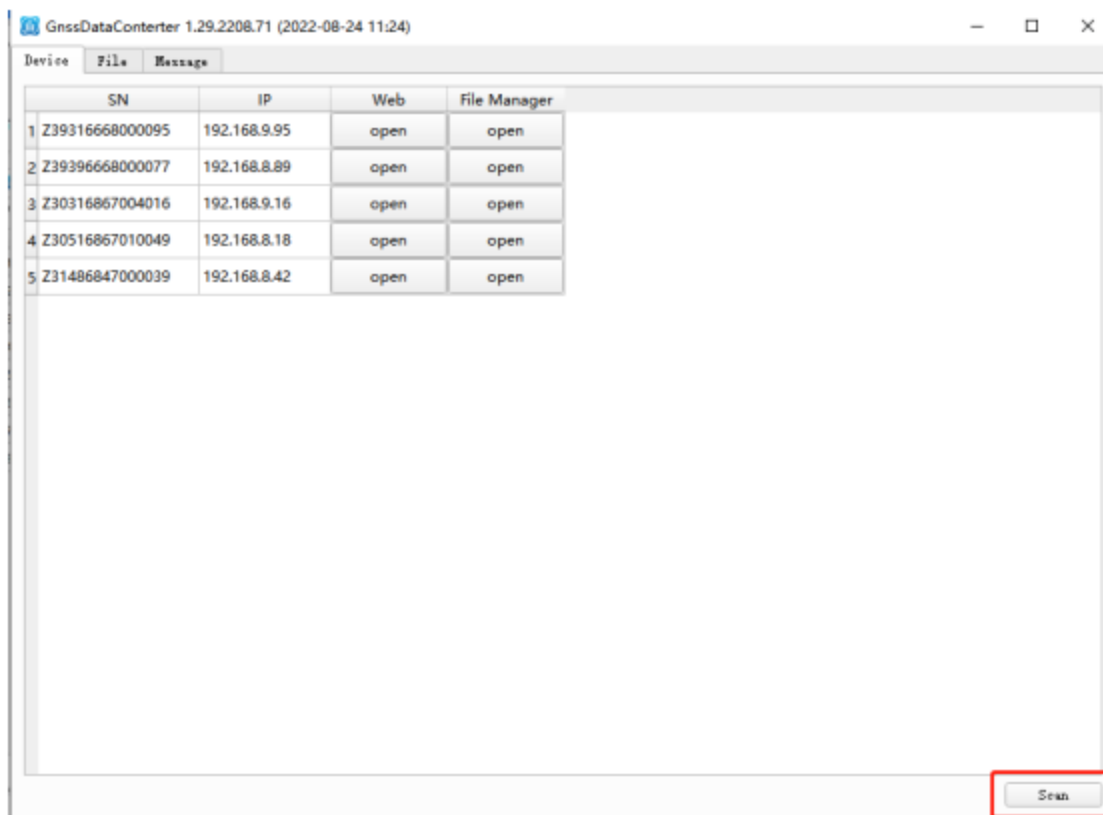
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1 Use Ntrip Caster to send differential data

1.1 Log in to the host web page

The receiver supports web access to the built-in management page, real-time viewing of the working status of the receiver or download and management of static storage data. The method is to connect the receiver to a switch or router through a straight-through cable after the receiver is powered on, keep the PC/laptop accessing the receiver in the same LAN as the receiver, open the host configuration tool 3, and query the host IP address. If the IP address cannot be scanned, please check whether the PC and the host are in the same LAN.



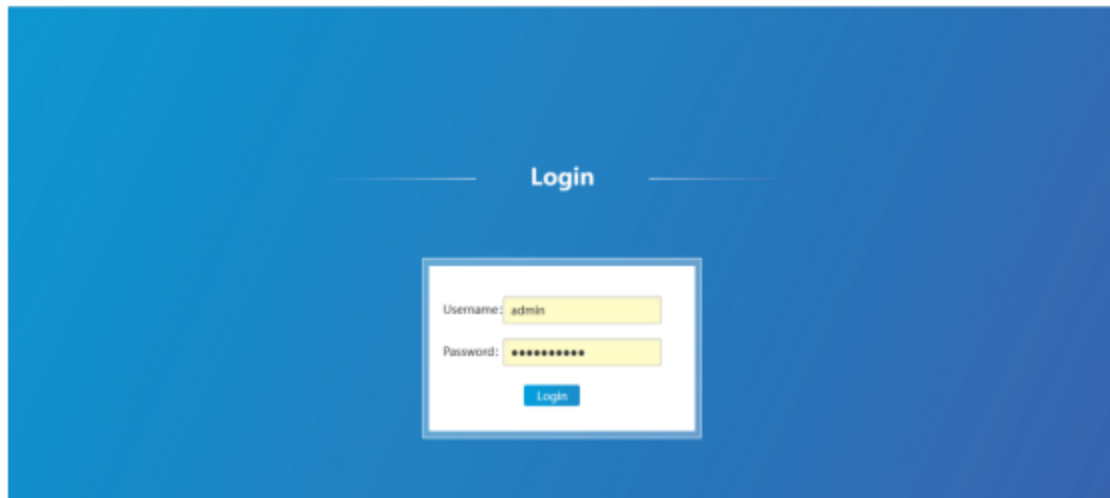
Find the machine number corresponding to the host and enter the host webpage, enter the account password to enter the host operation page


Note: Different browsers may display slightly different results, and it is recommended to use Firefox browser.

Factory default username: admin Password: ~abc123456.

Note: In order to enhance security, the maximum timeout period for the client browser to access the receiver is 10 minutes. If there is no operation on the browser for more than 10 minutes, it will automatically log out and re-enter the login interface

The operation is shown in the figure below:

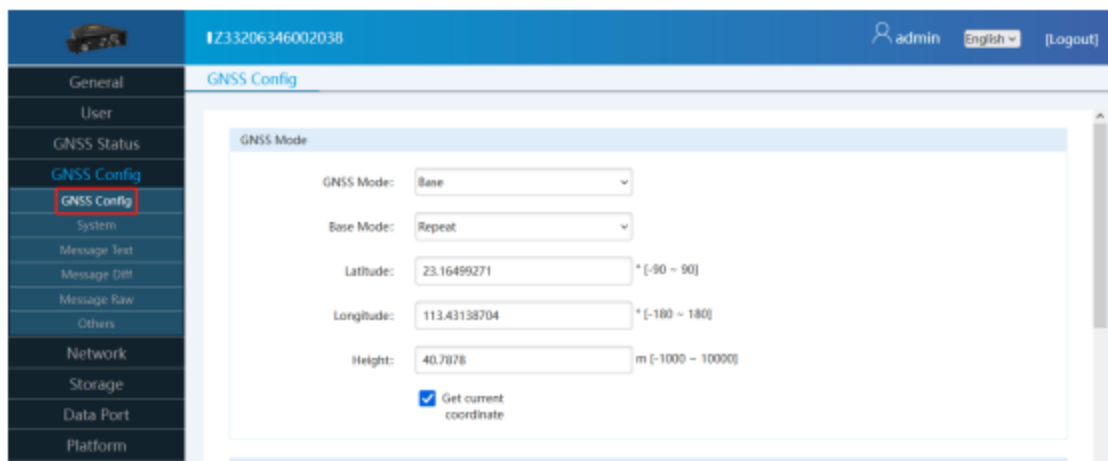




Device Status	
Time	2023-08-03 13:51:08
Uptime	00:03:20
Power Voltage	11.344
Temperature	45°C
GNSS Quality	RTK Floating
CPU	1.4%
RAM	77.2%
Storage	1.019MB/24.000000GB
Exception	None

1.2. Set to base station mode

Click the positioning configuration, select the base station, select the fixed coordinate start (you need to click to obtain the current coordinates) or the dynamic coordinate to start, enter the operation password and click Apply. The operation is shown in the figure below:



GNSS Mode

GNSS Mode:

Base Mode:

Latitude: * [-90 ~ 90]

Longitude: * [-180 ~ 180]

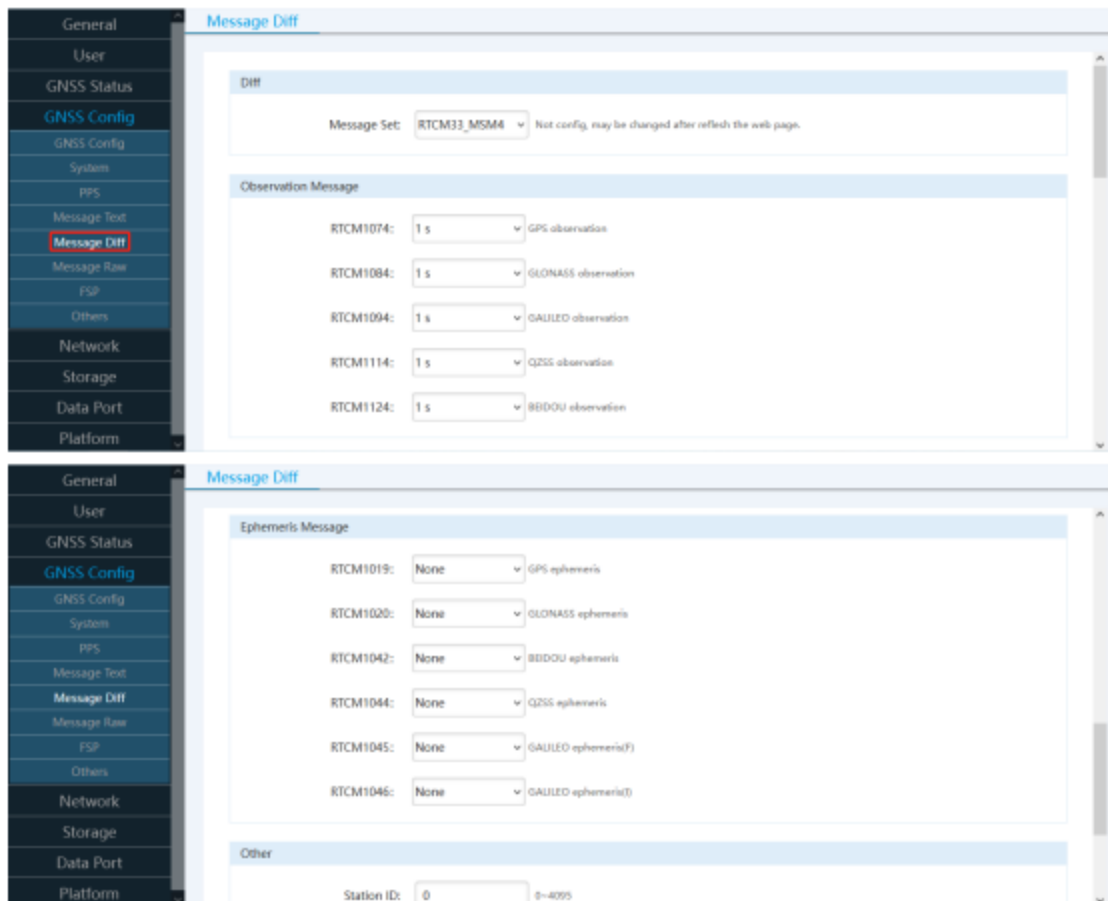
Height: m [-1000 ~ 10000]

Get current coordinate

1.3. Configure differential output

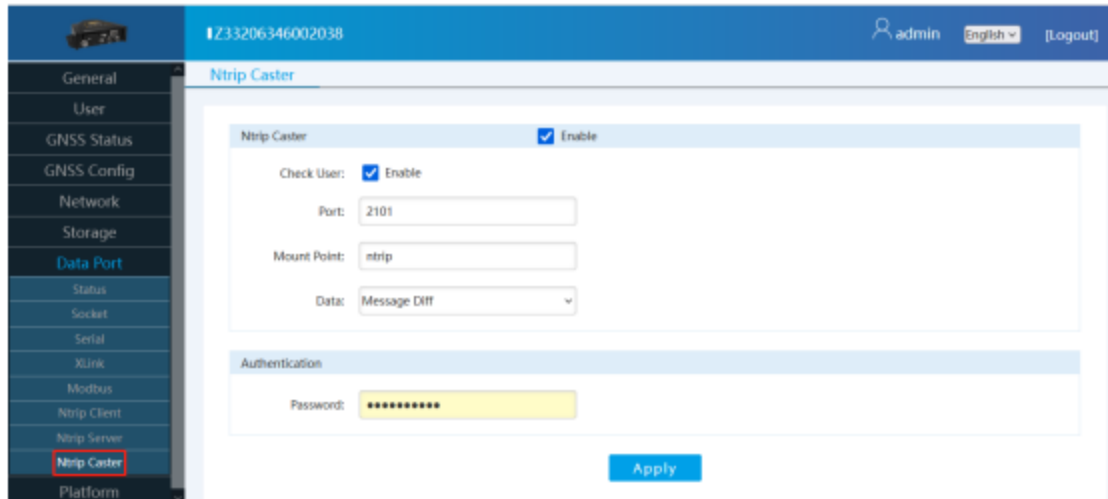
Click Positioning Configuration-->Differential Output, the ephemeris message will not be output in the base station mode. After configuration,

enter the operation password and click Apply. The operation is shown in the figure below:



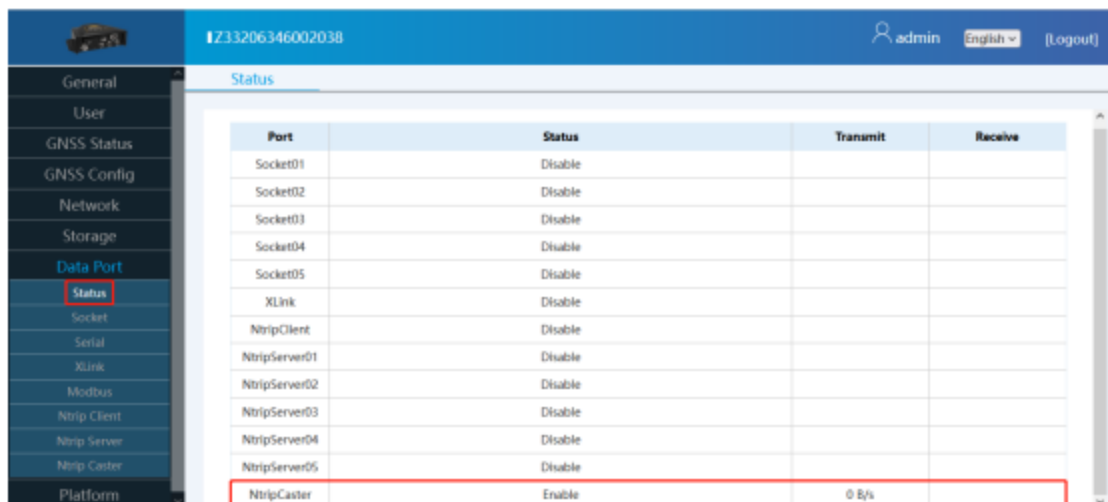
1.4. Turn on Ntrip Caster

Click Data Port --> Ntrip Caster, click Enable, enter the operation password and click Apply. Note: When verifying the user is checked, the account password needs to be filled in when using another device to connect. If it is not checked, you can fill it in at will. The operation is shown in the figure below:



1.5. Check the port enable status

Click Data Port --> Port Status, and it will display enabled when it is successfully opened. When there is a device connected to the device using Ntrip Client, there is data to be sent, and it is 0 if it is not. As shown below:



Port	Status	Transmit	Receive
Socket01	Disable		
Socket02	Disable		
Socket03	Disable		
Socket04	Disable		
Socket05	Disable		
XLink	Disable		
NtripClient	Disable		
NtripServer01	Disable		
NtripServer02	Disable		
NtripServer03	Disable		
NtripServer04	Disable		
NtripServer05	Disable		
NtripCaster	Enable	939 B/s	

2. Use the TCP server to send differential data

2.1. Open the TCP server

Click Data Port --> Network Connection, select the channel and select the TCP server, fill in the port number and choose to send differential data, enter the operation password, and finally click Apply.

The operation is shown in the figure below:

Socket

CH01 CH02 CH03 CH04 CH05

CH01

Mode: TCP Server

Remote Host:

Remote Port:

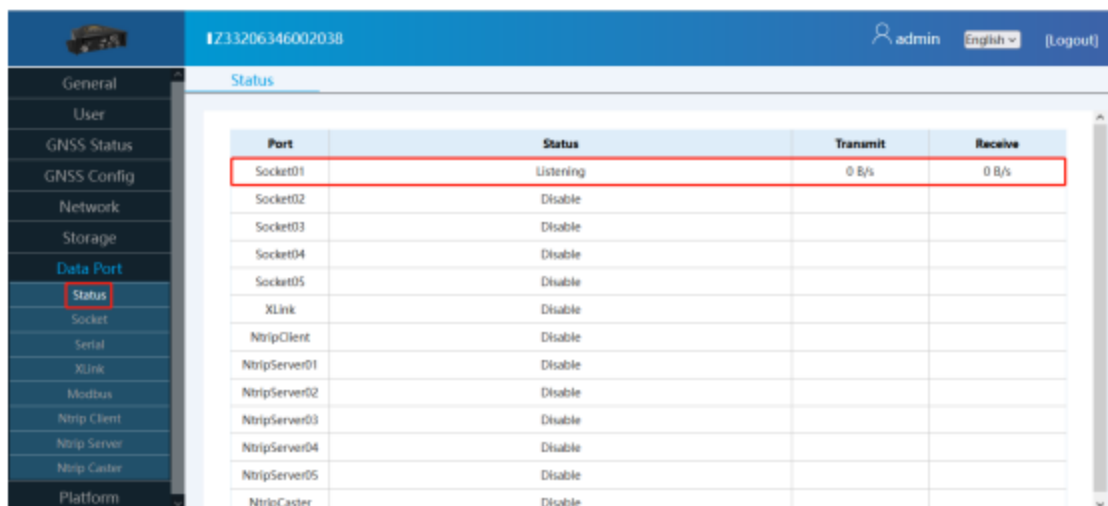
Local Port: 1234

Send Data: Message Diff

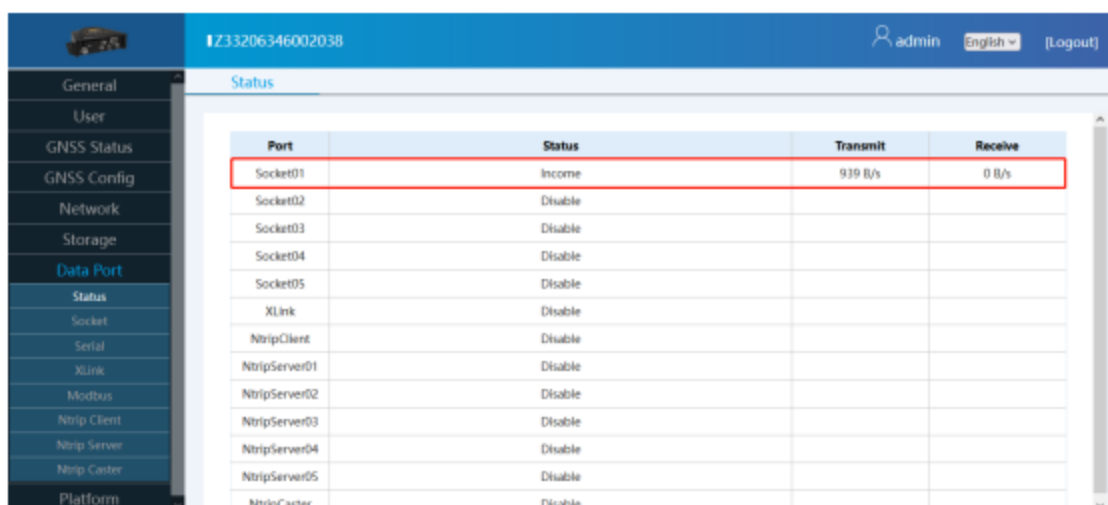
Authentication

2.2. Check port status

Click Data Port --> Port Status, when there is a device connected to the device as a TCP client, there will be data sent and the access will be displayed, and when there is no device connected to the device as a TCP client, it will be monitoring. As shown below:



Port	Status	Transmit	Receive
Socket01	Listening	0 B/s	0 B/s
Socket02	Disable		
Socket03	Disable		
Socket04	Disable		
Socket05	Disable		
XLink	Disable		
NtripClient	Disable		
NtripServer01	Disable		
NtripServer02	Disable		
NtripServer03	Disable		
NtripServer04	Disable		
NtripServer05	Disable		
NtripCaster	Disable		



Port	Status	Transmit	Receive
Socket01	Income	939 B/s	0 B/s
Socket02	Disable		
Socket03	Disable		
Socket04	Disable		
Socket05	Disable		
XLink	Disable		
NtripClient	Disable		
NtripServer01	Disable		
NtripServer02	Disable		
NtripServer03	Disable		
NtripServer04	Disable		
NtripServer05	Disable		
NtripCaster	Disable		