

Mobile data network sharing on Smart Logger 3000



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| Version | Created by | Date | Remarks |
|---------|------------------|------------|-------------------------|
| 01 | Huawei r84116102 | 28.01.2021 | Initial version created |

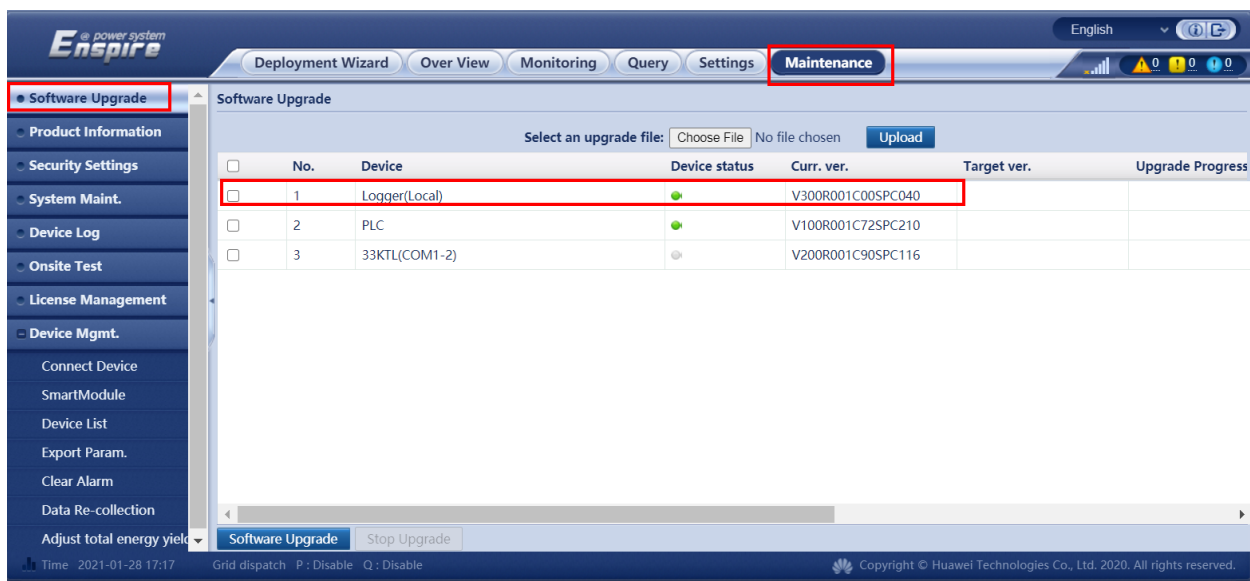
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This document describes the steps in order to share the mobile data from a 4G SIM Card inside Smart Logger 3000, to other devices through WAN or LAN port. Please note that the Smart Logger cannot behave like a wireless router. Only Ethernet cable connection is supported.

Procedure

Step 1 - Check your Smart Logger 3000 software version

This feature is available for the software versions equal with or later than - SmartLoggerV300R001C00SPC040



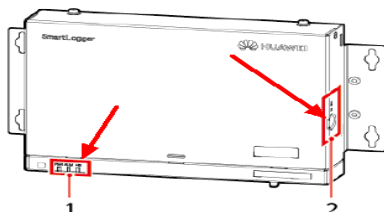
Step 2 – Insert the SIM Card in a mobile phone and activate the Internet subscription

Check using a mobile phone if you can access the Internet using the mobile data from the SIM Card.

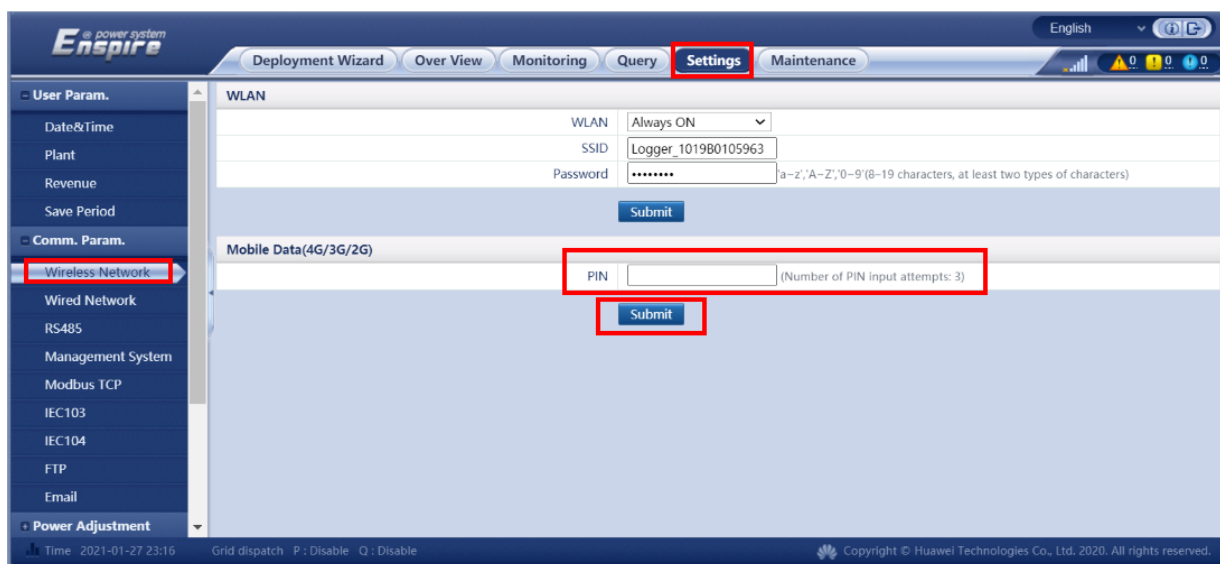
Using the mobile phone set a PIN code for SIM or Disable PIN security.

Step 3 – Insert the SIM card in the Smart Logger SIM Slot

- 1 – 4G LED indicator
- 2 – SIM Card

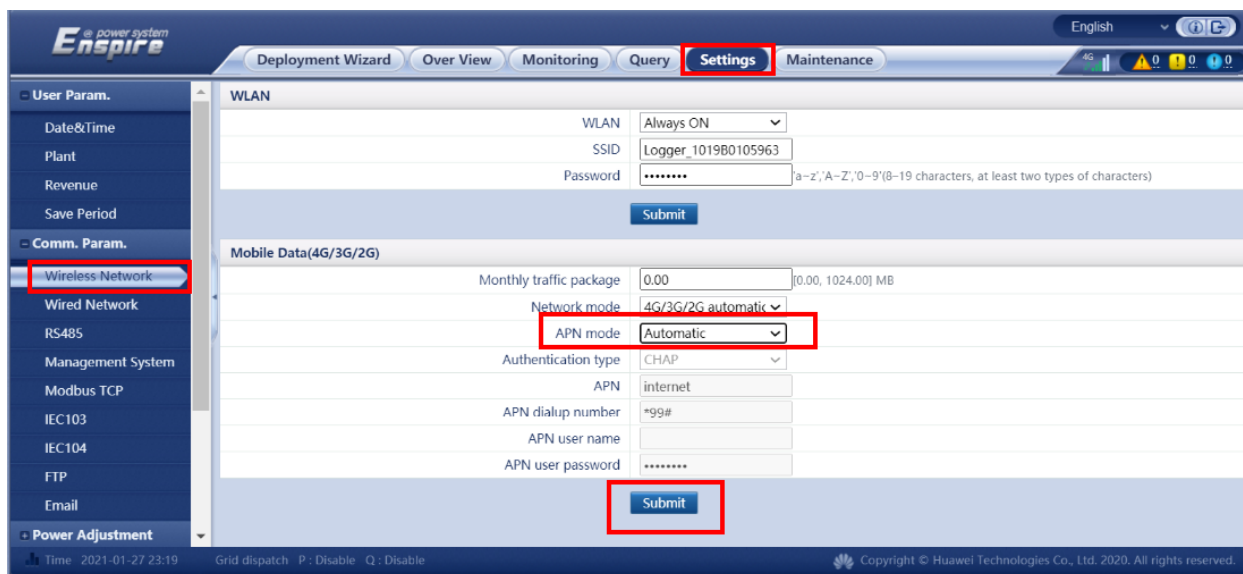


Step 4 – Enter the PIN code of the SIM card (if the SIM has a PIN)



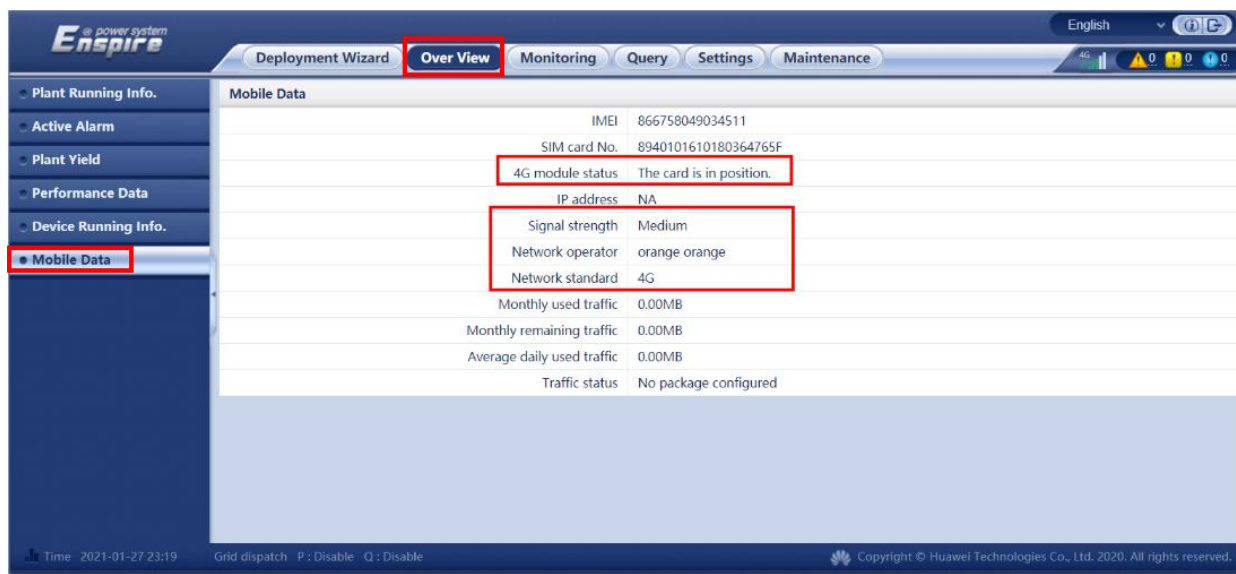
The screenshot shows the Enspire power system interface. The 'Settings' tab is selected. In the left sidebar, 'Wireless Network' is highlighted. The main area shows the 'Mobile Data(4G/3G/2G)' configuration. The 'PIN' field is empty, and the 'Submit' button is visible. The 'WLAN' section is also visible above it.

Step 5 – Set APN Mode to *Automatic*



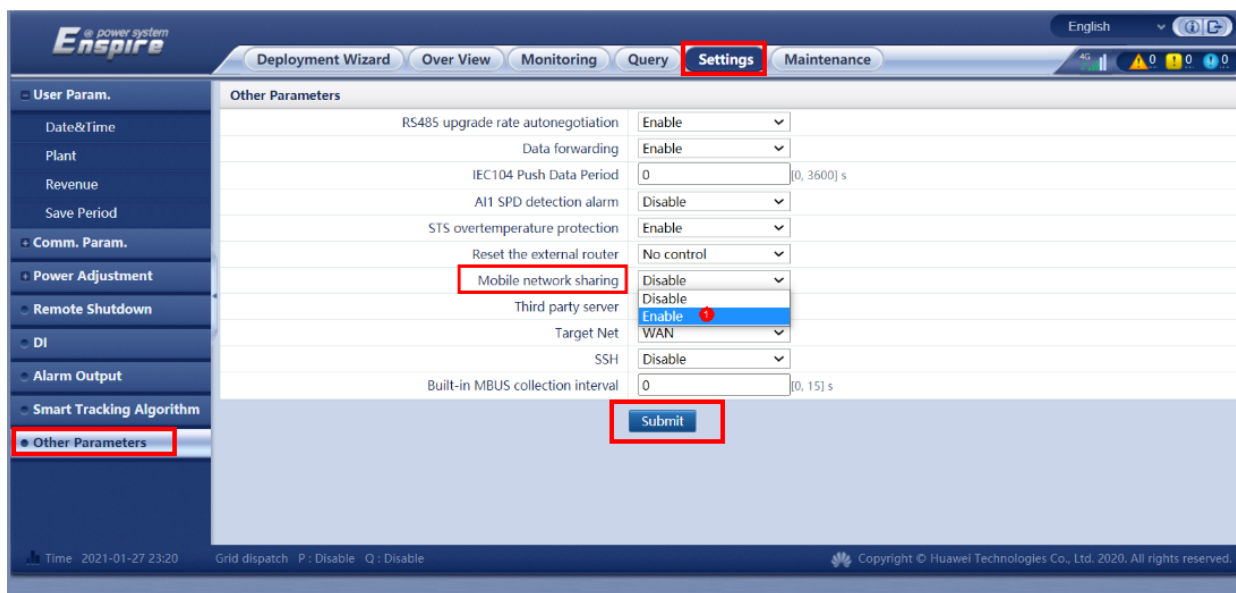
The screenshot shows the Enspire power system interface. The 'Settings' tab is selected. In the left sidebar, 'Wireless Network' is highlighted. The main area shows the 'Mobile Data(4G/3G/2G)' configuration. The 'APN mode' dropdown menu is set to 'Automatic'. The 'Submit' button is highlighted.

Step 6 – Check the mobile data status



| Parameter | Value |
|----------------------------|--------------------------|
| IMEI | 866758049034511 |
| SIM card No. | 8940101610180364765F |
| 4G module status | The card is in position. |
| IP address | NA |
| Signal strength | Medium |
| Network operator | orange orange |
| Network standard | 4G |
| Monthly used traffic | 0.00MB |
| Monthly remaining traffic | 0.00MB |
| Average daily used traffic | 0.00MB |
| Traffic status | No package configured |

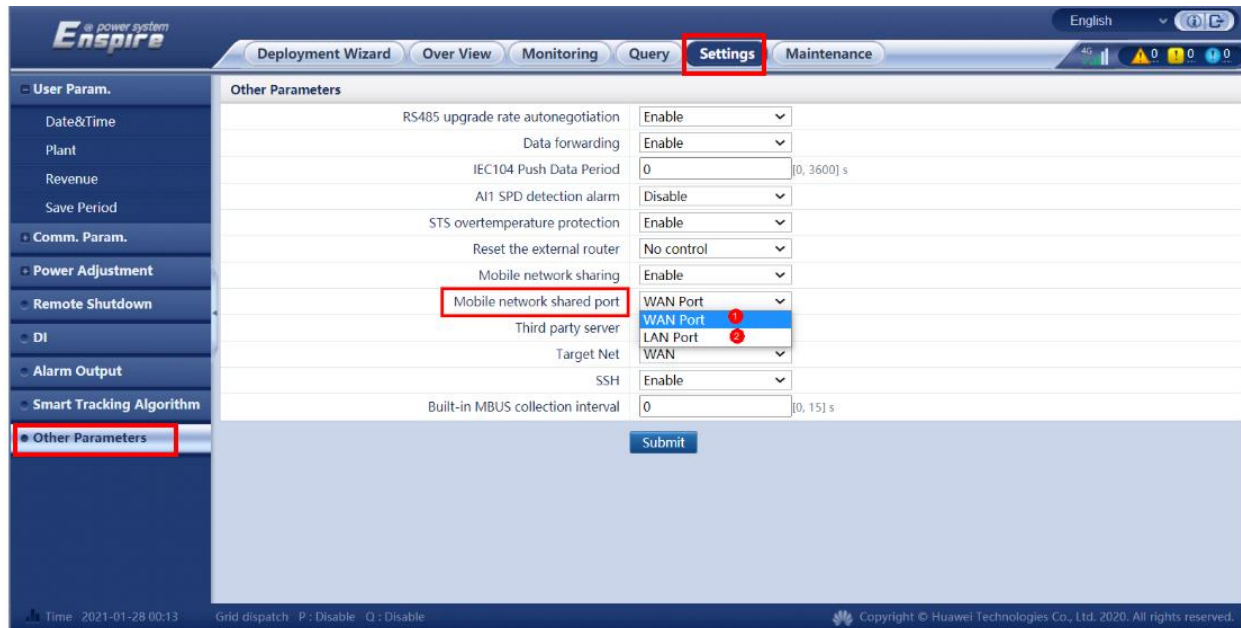
Step 7 – Set the Mobile network sharing to Enable



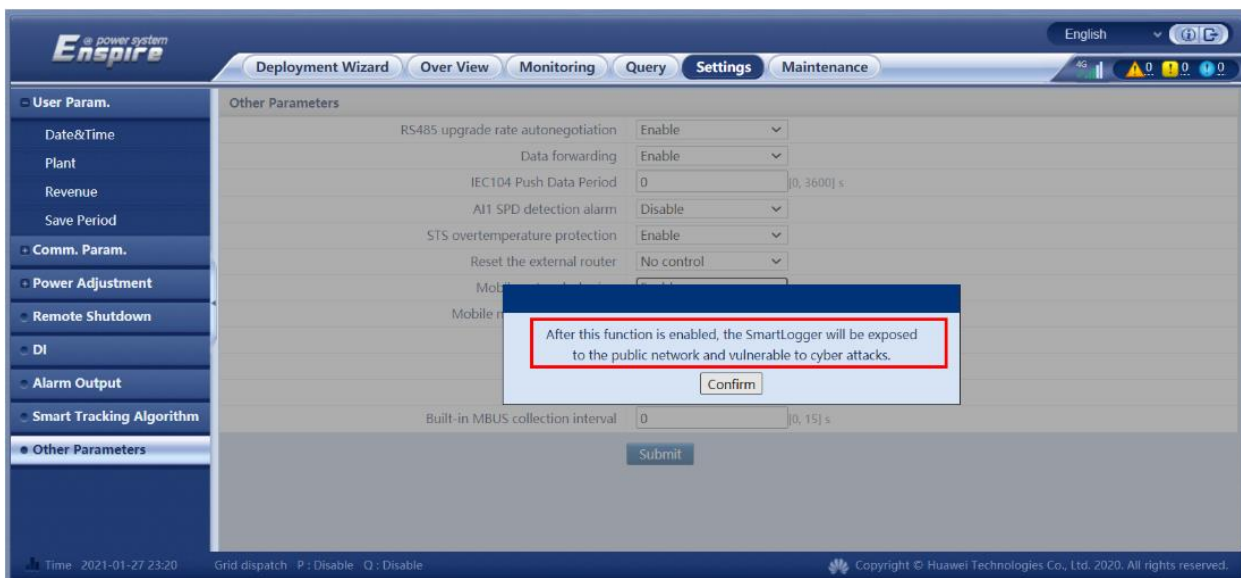
| Parameter | Value |
|------------------------------------|---------------|
| RS485 upgrade rate autonegotiation | Enable |
| Data forwarding | Enable |
| IEC104 Push Data Period | 0 [0, 3600] s |
| AI1 SPD detection alarm | Disable |
| STS overtemperature protection | Enable |
| Reset the external router | No control |
| Mobile network sharing | Enable |
| Third party server | Disable |
| Target Net | WAN |
| SSH | Disable |
| Built-in MBUS collection interval | 0 [0, 15] s |

Step 8 – Set the mobile network shared port

This port define where the cable for third party devices should be connected in order to use the Smart Logger Internet. Set to **WAN** or **LAN** port (**WAN Port Recommended**).

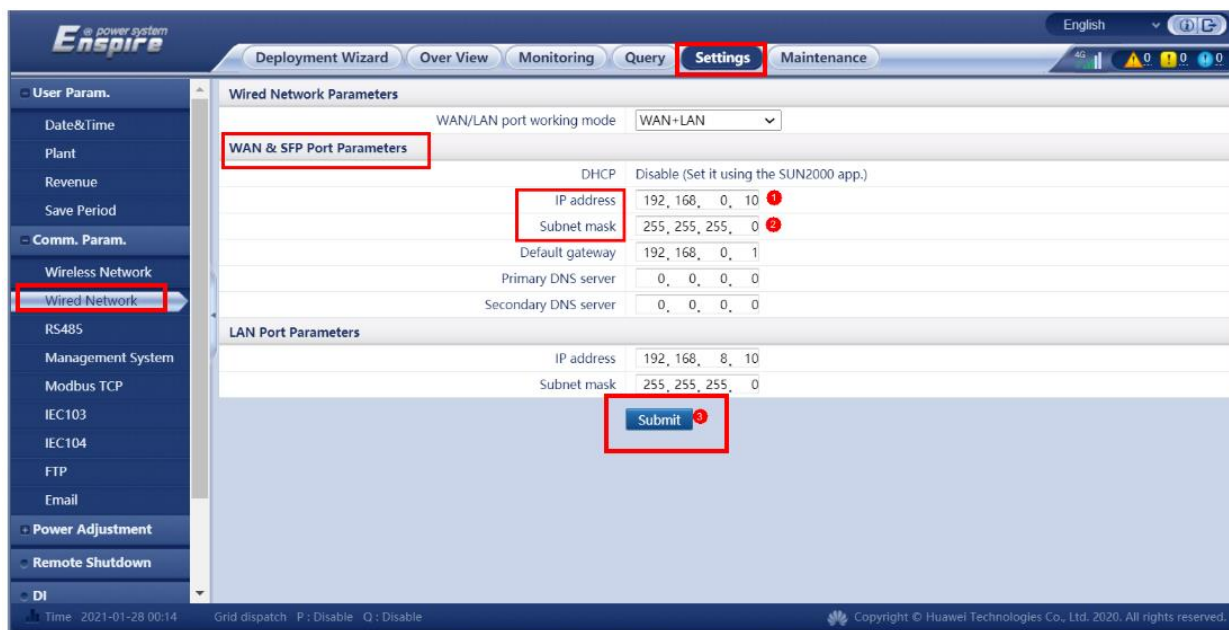


Step 9 – Submit the settings and be aware of the vulnerability of Cyber-attacks by using this function



Step 10 – Check the Smart Logger LAN or WAN port parameters in order to configure the third party devices that should be connected on it.

In case of using **WAN** Port, check the **IP address** and **Subnet Mask** as below.



Step 11 – Connect the cable between third party device and Smart Logger and configure the TCP/IPv4 parameters of that device to be in the same range with Smart Logger port. After this step the Internet will be available.

