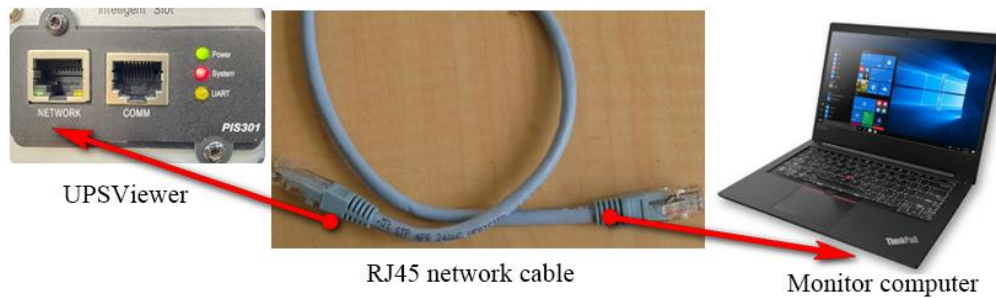


Essentials Manual of UPSViewer

1.1 (first step)

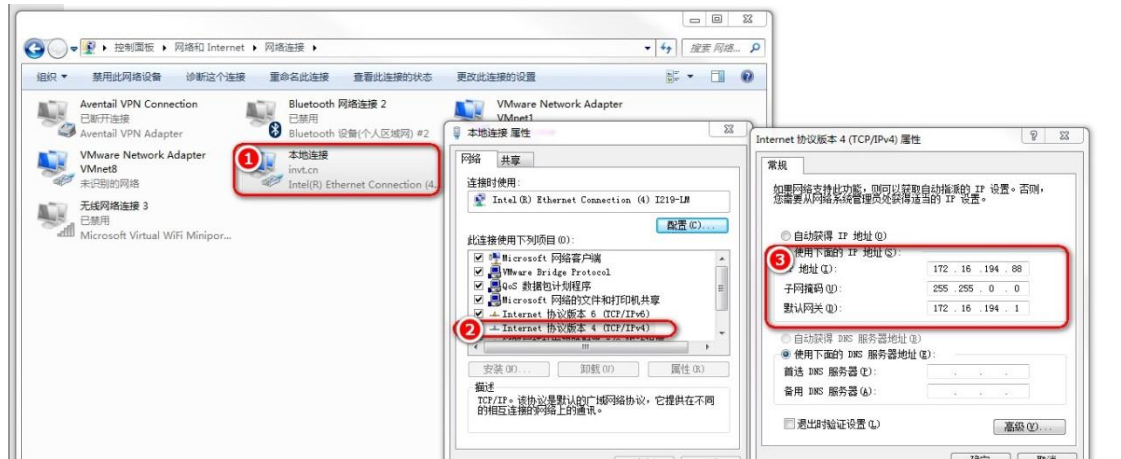
Connect UPSViewer to the computer via RJ45 network cable.



1.2 (Second step)

Before logging in, make sure that UPSViewer and the computer are on the same network. When the UPSViewer IP and the computer IP are not in the same network, you can use the following methods to set or view. For Windows10 system, the process of viewing IP information and setting IP is as follows: (same for other Windows operating systems)

【 Control Panel 】 → 【 Network and Internet 】 → 【 Network Connection. 】



- ① Right-click on the local connection and select ‘Properties’ ;
- ② Select Internet Protocol Version 4 (TCP/IPv4) and click Properties;
- ③ View or set IPv4 information.

1.3 (third step)

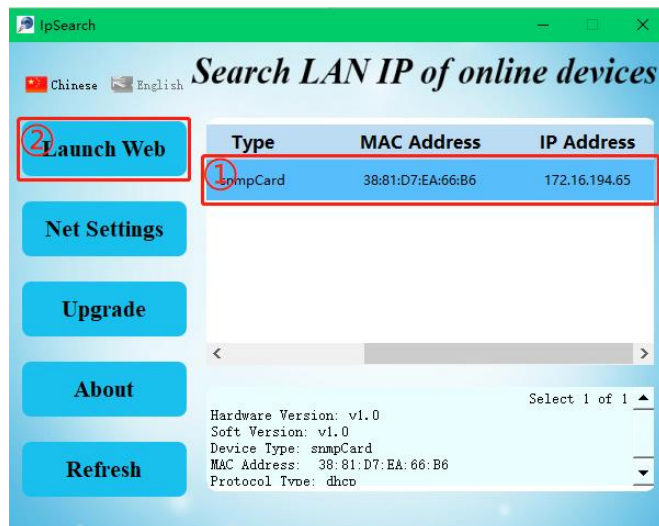
Click the icon to open the search software (no need to install and click the icon to run the program).

名称	修改日期	类型	大小
bearer	2021/2/22 9:00	文件夹	
iconengines	2021/2/22 9:00	文件夹	
imageformats	2021/2/22 9:00	文件夹	
platforms	2021/2/22 9:00	文件夹	
styles	2021/2/22 9:00	文件夹	
translations	2021/2/22 9:00	文件夹	
D3Dcompiler_47.dll	2014/3/11 18:54	应用程序扩展	3,386 KB
libEGL.dll	2018/6/15 22:54	应用程序扩展	22 KB
libgcc_s_dw2-1.dll	2015/12/29 6:25	应用程序扩展	118 KB
libGLESV2.dll	2018/6/15 22:54	应用程序扩展	2,742 KB
libstdc++-6.dll	2015/12/29 6:25	应用程序扩展	1,505 KB
libwinpthread-1.dll	2015/12/29 6:25	应用程序扩展	78 KB
opengl32sw.dll	2016/6/14 21:08	应用程序扩展	15,621 KB
Qt5Core.dll	2021/2/20 10:05	应用程序扩展	6,069 KB
Qt5Gui.dll	2018/6/15 22:59	应用程序扩展	6,339 KB
Qt5Network.dll	2018/6/15 22:57	应用程序扩展	1,765 KB
Qt5Svg.dll	2018/6/15 23:15	应用程序扩展	352 KB
Qt5Widgets.dll	2018/6/15 23:03	应用程序扩展	6,108 KB
SearchClient	2021/2/20 9:55	应用程序	1,288 KB

1.4 (the fourth step)

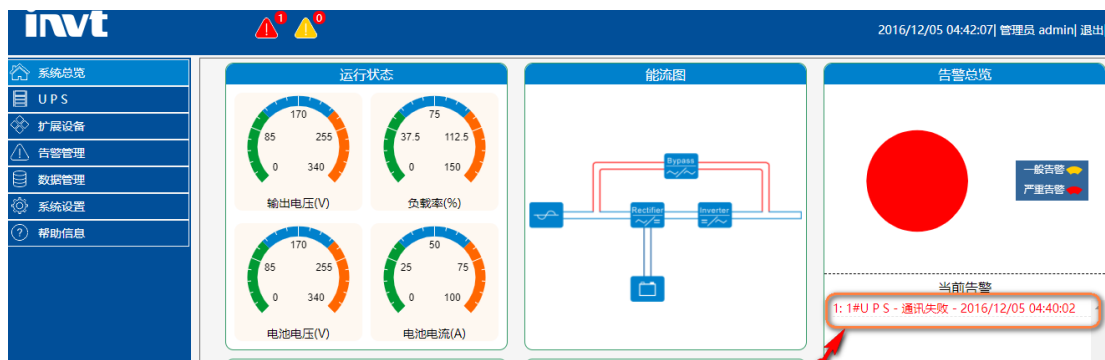
Open UPSViewer management webpage.

note: UPSViewer and the computer must be in the same network.



1.5 (the fifth step)

Set up UPS communication. After opening the web page, you will find an alarm message stating "UPS-Comm Fail". At this time, communication settings are required. (If the communication is successful, skip the step).



1.5.1 Monitor single-phase UPSViewer

➤ How to connect the Single-phase UPS?

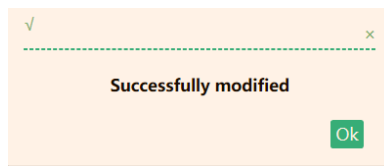


① On the UPSViewer webpage:

The screenshot shows the Invt UPSViewer web interface. The left sidebar contains navigation options: Overview, UPS, Expansion Equipment, Alarm Management, Data Management, Settings, Monitorin Settings, COM Settings, Device Management (highlighted), SNMP Settings, TCP/IP, Alarm Settings, Email Settings, SMS Settings, and Time Settings. The main content area is titled 'Device Management' and contains a table with columns: ID, Modbus Address, Protocol, Modbus Mode, and Control. A modal window is open for adding a new device with the following fields:

Device Type	UPS	Modbus Address	1	(1 ~ 31[UPS:254])	
NO.	1	Protocol	Megtec	Modbus Mode	ASCII

Buttons for 'Ok' and 'Back' are visible at the bottom of the modal window.



The screenshot shows the Invt UPSViewer web interface with the 'COM Settings' section selected in the left sidebar. The main content area displays a table with columns: Baud Rate, Stop Bits, and Parity. The 'UPS Communication' row has the Baud Rate set to 2400, which is highlighted with a red box.

	Baud Rate	Stop Bits	Parity
Extended Serial Port A	9600	1Bit	None
UPS Communication	2400	1Bit	None

A 'Set' button is located below the table.

② On the single-phase UPS control panel:

E.g. HT1103XS: Omit.

1.5.2 Monitor 3-phase UPSViewer

➤ How to connect the 3-phase UPS?



① On the UPSViewer webpage:

Device Management

UPS ID	Modbus Address	Protocol	Modbus Mode	Control
1	1	Invt	ASCII	Edit

Temp. & RH%
Delete

Device Type: UPS

NO.: 1 (1 ~ 31[UPS:254])

Protocol: Invt

Modbus Address: 1

Modbus Mode: ASCII

Ok Back

Apply

Successfully modified

Ok

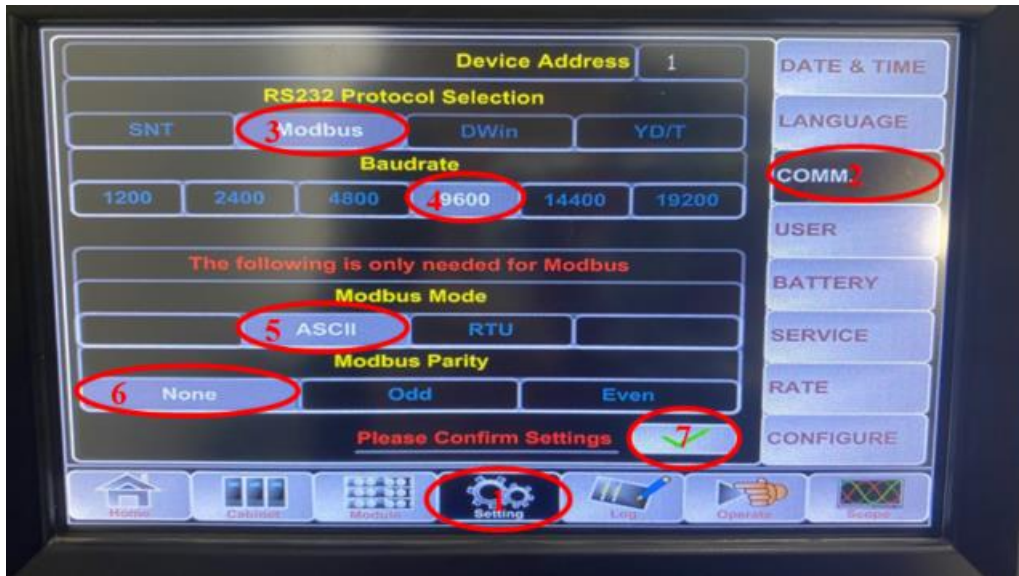
COM Settings

	Baud Rate	Stop Bits	Parity
Extended Serial Port A	9600	1Bit	None
UPS Communication	9600	1Bit	None

Set

② On the 3-phase UPS control panel:

E.g. RM030/10X:



【Setting】 → 【COMM.】

① Read the "Device Address", fill in the Modbus address column of the UPSViewer webpage, and select "Modbus" in the 'R232 port protocol selection' ;

② 'Baud rate' selection: "9600". (Must be consistent with the UPSViewer webpage);

③ 'Modbus Mode' selection: "ASCII". (Must be consistent with the UPSViewer webpage);

④ 'Modbus Parity' selection: "None". (Must be consistent with the management page);

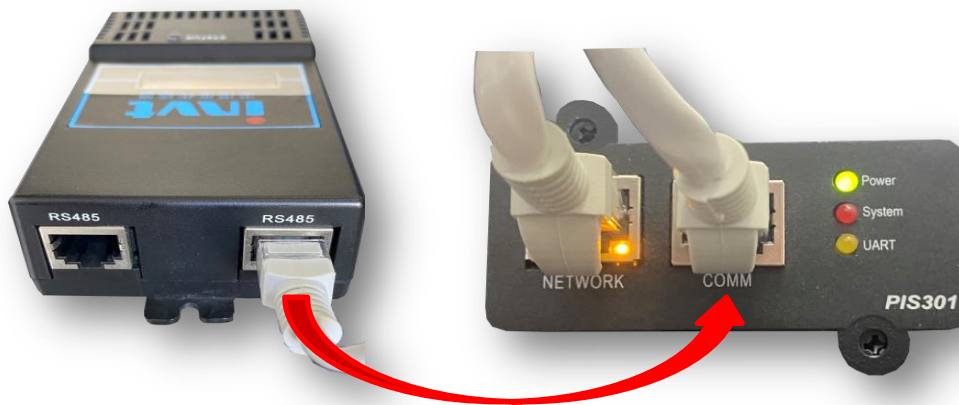
⑤ Select to confirm the settings.

1.6 (Step 6 Optional equipment)

1.6.1 Temperature and Humidity Sensor

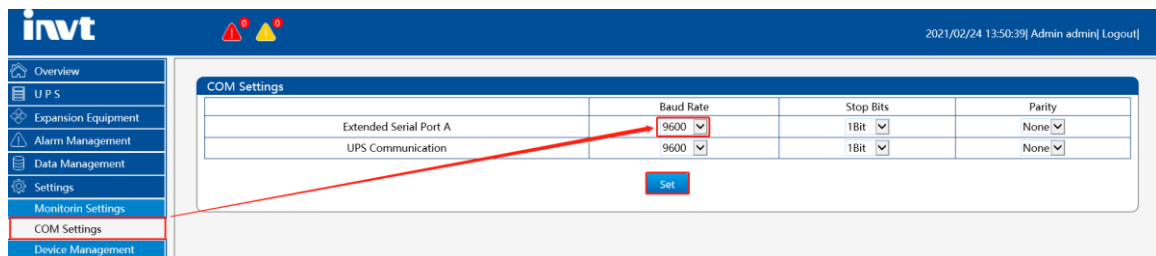
Hardware connection:

Use the RJ45 network cable to connect the RS485 port of the temperature and humidity sensor to the COMM port of UPSViewer, and check whether the LCD interface of the temperature and humidity sensor is on and whether there is temperature and humidity information. If so, the connection is successful. As shown below:

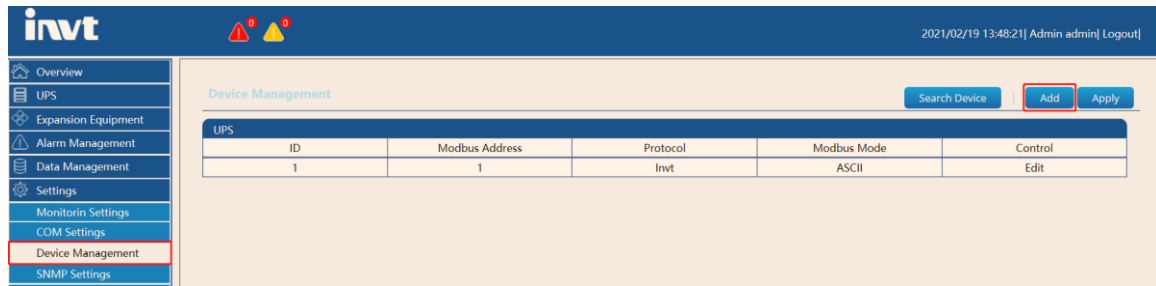


The detailed operation process is as follows:

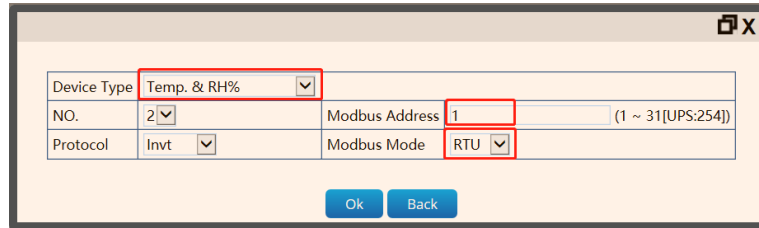
① Set the baud rate to "9600", [Settings] → [COM Settings] → "Extended Serial Port A" baud rate to 9600, and click the [Set] button to save the settings. As shown below



② 【Setting】 → 【Device Management】 → 【Add】



&



Select RTU mode for Modbus mode.

Note: The Modbus address here is read and filled on the LCD screen of the device. If the address is wrong, it will cause the failure to add the device.

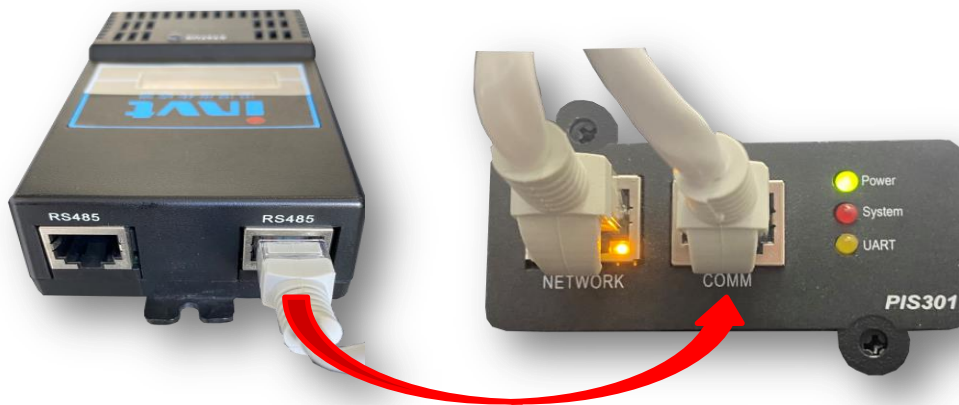


③ Click the **【Apply】** button. So far, manually add the application successfully.

1.6.2 Water Leakage Sensor

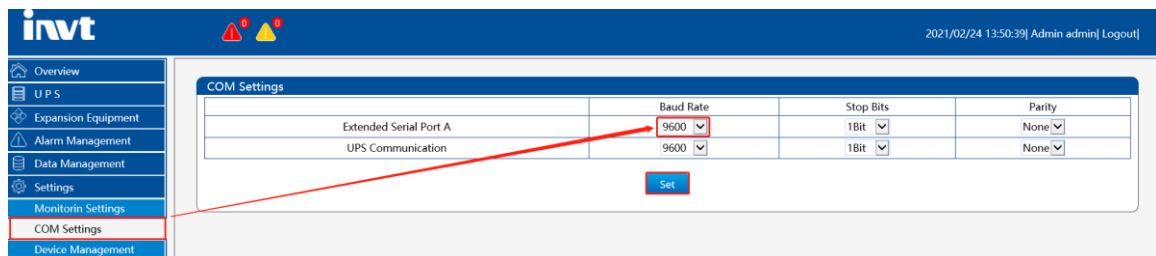
Hardware connection:

Use the RJ45 network cable to connect the RS485 port of the Water Leakage Sensor to the COMM port of UPSViewer, and check whether the LCD interface of the temperature and humidity sensor is on and whether there is temperature and humidity information. If so, the connection is successful. As shown below:

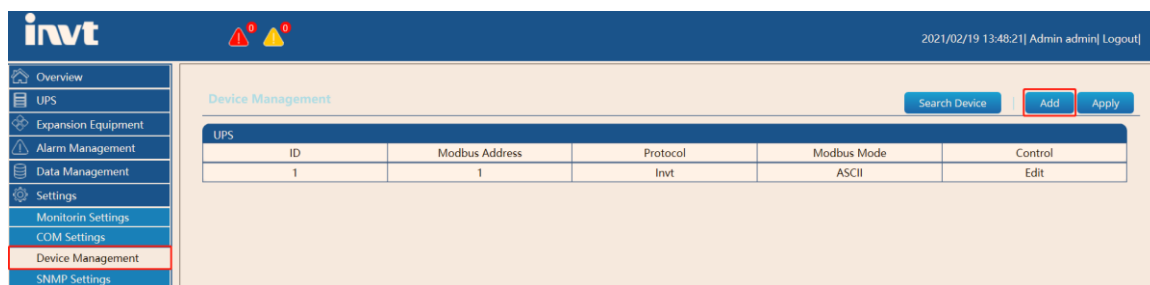


The detailed operation process is as follows:

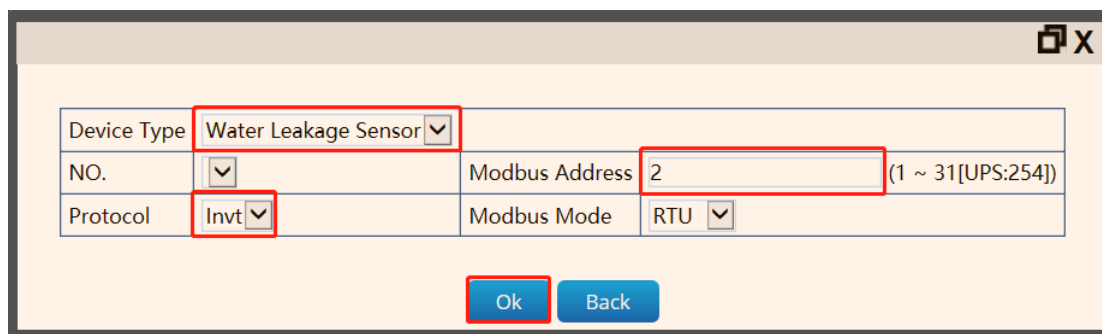
① Set the baud rate to "9600", [Settings] → [COM Settings] → "Extended Serial Port A" baud rate to 9600, and click the [Set] button to save the settings. As shown below



② 【Setting】 → 【Device Management】 → 【Add】



&



Select RTU mode for Modbus mode.

Note: The Modbus address here is read and filled on the LCD screen of the device. If the address is wrong, it will cause the failure to add the device.



③ Click the **【Apply】** button. So far, manually add the application successfully.

When there are multiple expansion devices, the Modbus address of the temperature and humidity sensor or the water sensor cannot be the

same. If the Modbus address is the same, it will cause communication abnormality.

Temp. & RH%			
<input checked="" type="checkbox"/> Delete	ID	Modbus Address	
<input type="checkbox"/>	1	2	
Water Leakage Sensor			
<input type="checkbox"/> Delete	ID	Modbus Address	
<input type="checkbox"/>	1	4	

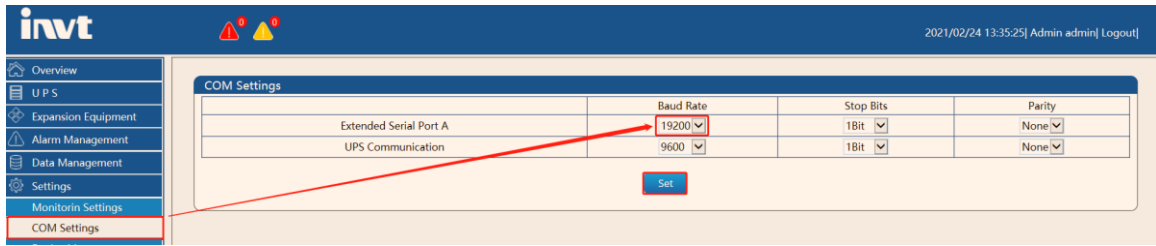
The Modbus address of the expansion device can be manually set through the DIP switch.

1.6.3 SMS Alarm

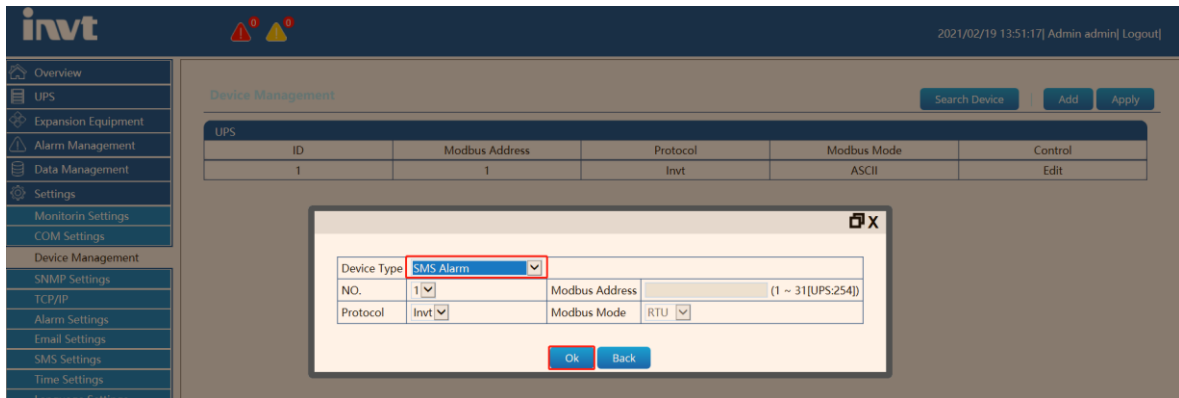
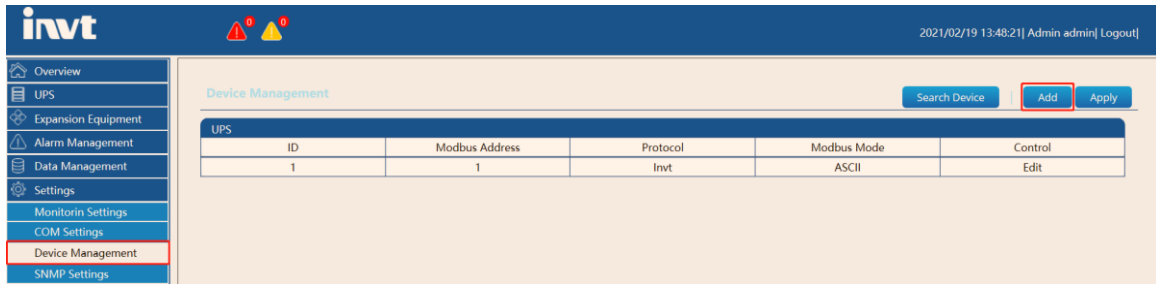


Connect the SMS alarm to the COMM port of upsViewer with a network cable.

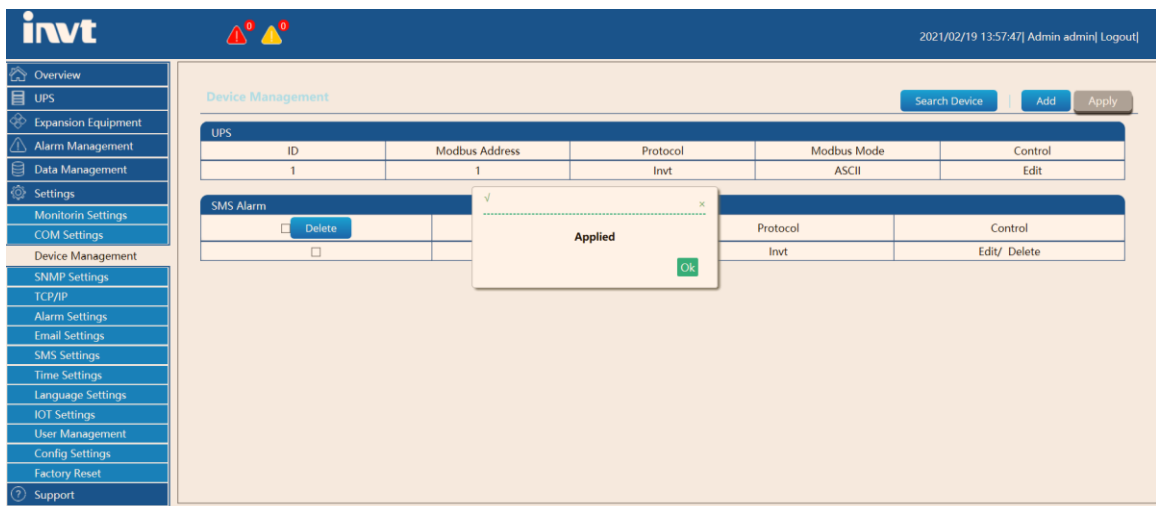
① Set the baud rate to "19200", [Settings] → [COM Settings] → "Extended Serial Port A" baud rate to 19200, and click the [Set] button to save the settings. As shown below



② 【Setting】 → 【Device Management】 → 【Add】

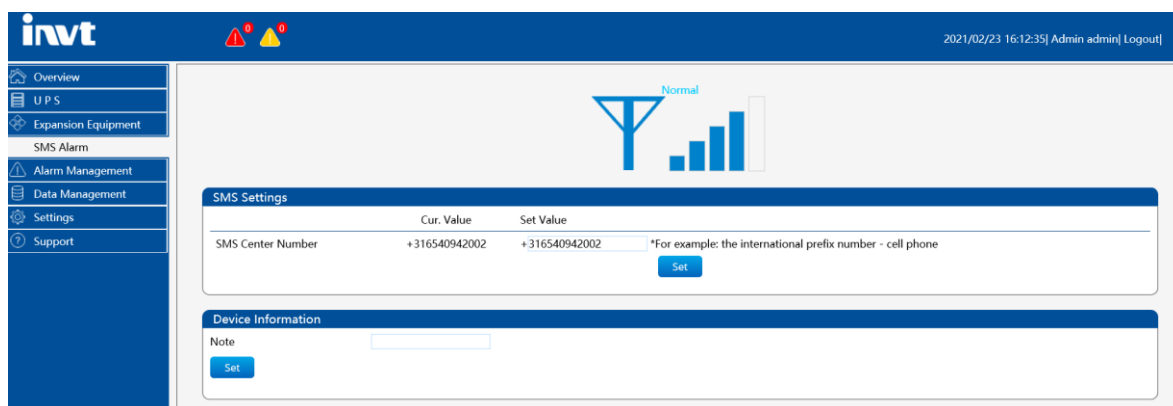


③ Enter the corresponding information in the pop-up information input box, and click the 【OK】 button.



④ Click the **【Apply】** button. So far, manually add the application successfully.

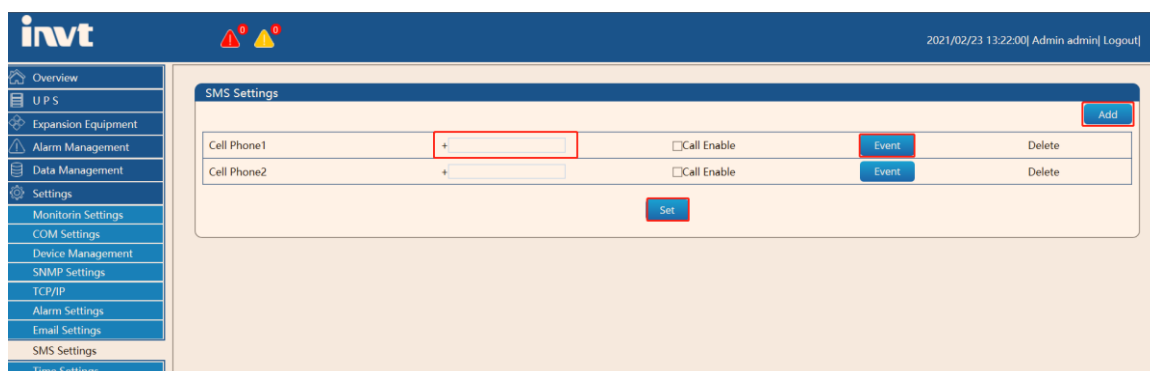
⑤ Enter the [Expansion Equipment] → [SMS Alarm] page to check whether the communication is normal;



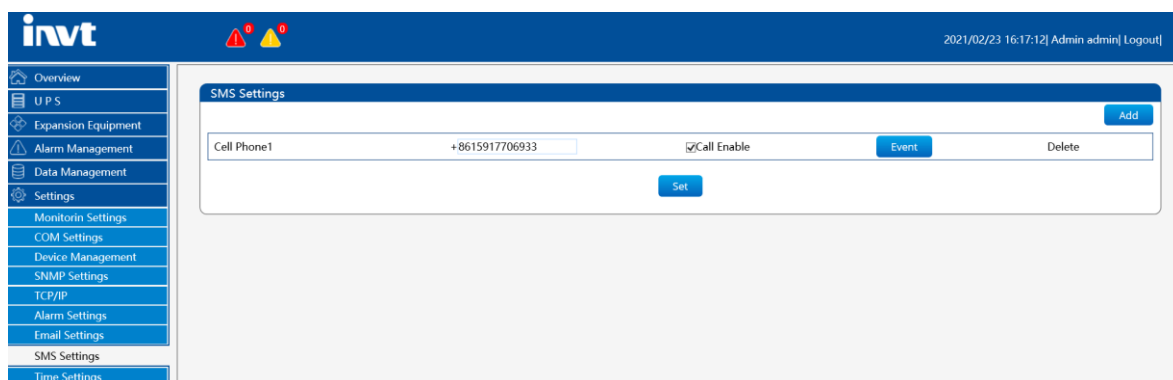
⑥ Under normal communication conditions, check if there is a SMS center number.

Note: By default, if you insert different operators, there will be a corresponding SMS center number by default. If not, manually fill in the SMS center number that the card matches. The SMS alarm signal is best to be above 3 bars to ensure that the SMS can be sent out in time.

Users can customize the alarm events to be sent.




&



① Click the "Add" button. If there is no such requirement, you can ignore this step (supports up to 20 mobile phone numbers);

② Fill in the recipient's phone number;

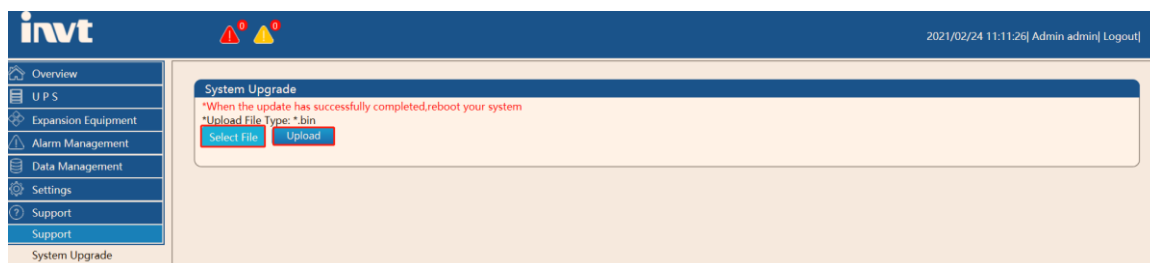
③ Click the "Event" on the right of the recipient in step.

④ Check the events that need to trigger the sending of SMS. After checking, you must click the  in the upper right corner to close.

1.7 System Upgrade

【Support】 → 【System Upgrade】

[System upgrade] Provide UPSViewer system upgrade port.



Note: After the upgrade, the UPSViewer system will restart and you need to log in to the web page again.