

IoT

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IoT Solutions based on our cloud platform suitable for meteorological agriculture weather monitoring

By adding a RS485 to ethernet, LTE,5G or WIFI module, you can achieve several goals as following:

You can buy those modules from us, and we will finish all configuration before shipment.

- Data of all our sensor can be uploaded to our IoT platform and viewed via phone, app, website, WeChat.
- Data of all our sensor can be downloaded in*.xls EXCEL format to via email, web browser
- You will be alerted by email, wechat once the trigger condition is met, no worries to miss any key data.
- Historical comparison curve between multiple sensors will help you evaluate performance of each of them.
- Configuration programming is supported.

Below are screenshots for your reference.

The screenshot displays the HONGYU Monitoring Center web interface. The top navigation bar includes the HONGYU logo, the text 'Monitoring Center', and utility icons for 'Console', notifications, and language selection (English). A left sidebar menu lists various management options: Monitoring Center, Device Management (with 0 offline and 11 online devices), Equipment Map, Trigger, Cloud Configuration, RT Computation, Timing Task, Data Downloading, Flow Card, and User Center. The main content area shows a search bar with 'name /ID' and a 'Return' button. Below this, a table lists sensor data for device 'WDS6E' (Serial Number: H88B4ZP3614YJU12). The sensors and their current values are:

Sensor Name	ID	Status	Updated	Value	Alert	RT Curve	Hist Query
Wind Speed	1061316	connected	2021-09-07 09:54:52	0.65 m/s	Alm	RT Curve	Hist Query
Wind Direction	1061317	connected	2021-09-07 09:54:52	213 °	Alm	RT Curve	Hist Query
Temperature	1061318	connected	2021-09-07 09:54:52	24.9 °C	Alm	RT Curve	Hist Query
Humidity	1061319	connected	2021-09-07 09:54:52	71.0 %	Alm	RT Curve	Hist Query
Air Pressure	1061320	connected	2021-09-07 09:54:52	956.8 hPa	Alm	RT Curve	Hist Query
Rainfall accumulation	1061321	connected	2021-09-07 09:54:52	6.40 mm	Alm	RT Curve	Hist Query
Rain intensity	1061322	connected	2021-09-07 09:54:52	0.00 mm/hr	Alm	RT Curve	Hist Query
Solar Radiation	1061323	connected	2021-09-07 09:54:52	260 W/m2	Alm	RT Curve	Hist Query

At the bottom of the interface, there is a pagination control showing '10 Article/Page', 'Total 14 Article', and page numbers '1' and '2'. The browser's taskbar at the very bottom shows the time as 9:54 on 2021/9/7.

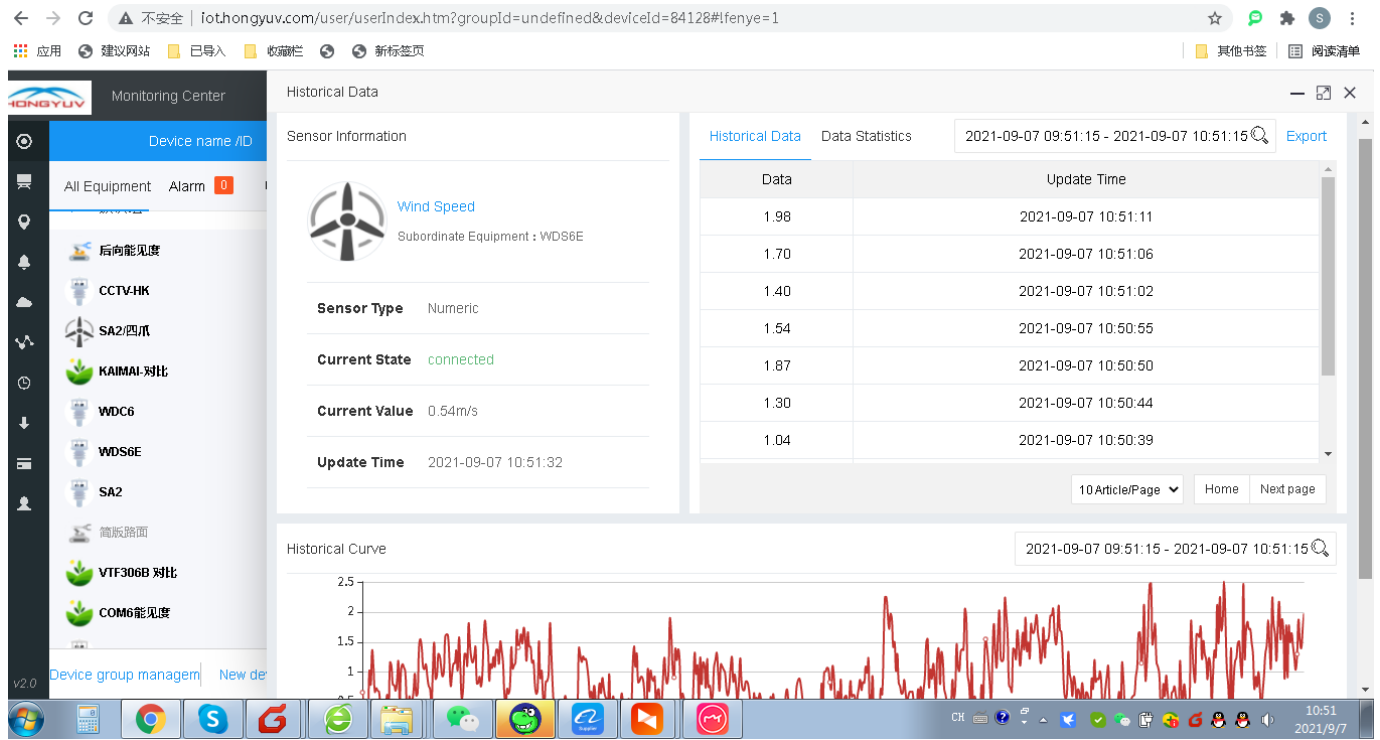
Add trigger conditions:

The screenshot shows the 'Update Trigger' configuration interface. The left sidebar contains navigation options: Trigger, Trigger List, Add Trigger, and Alarm Record. The main content area is divided into sections: 'Equipment and sensors' with dropdowns for 'Equipment' (WDS6E) and 'Sensor' (Wind Speed); 'Trigger Condition' with a dropdown for 'Value higher than x' and a text input for '2'; 'Whether to open' with a toggle switch set to 'off'; 'Alarm information template' with a dropdown for 'System default alarm me:'; and 'Operation' with a 'Delete' button. A 'New Conditions' button is also present. The bottom of the page shows a Windows taskbar with various application icons and the system clock displaying 9:56 on 2021/9/7.

Realtime Curve of wind speed

The screenshot displays the 'Wind Speed' real-time curve. The graph shows a fluctuating red line representing wind speed over time, with values ranging from 0 to 2.5. The x-axis shows timestamps from 2021-09-07 10:40:45 to 2021-09-07 10:49:10. The left sidebar shows a list of equipment including WDS6E, SA2, and others. The right sidebar shows a list of 'RT Curve' entries with 'Hist Query' links. The bottom of the page shows a Windows taskbar with various application icons and the system clock displaying 10:50 on 2021/9/7.

Historical data of wind speed



Graphic interface after configuration programming.

Real Time Weather Information Console



APP on Andorid

WDS6E

Wind Speed 0.67 m/s
2021-09-07 09:52:09

Wind Direction 124°
2021-09-07 09:52:09

Temperature 24.7 °C
2021-09-07 09:52:09

Humidity 69.8 %
2021-09-07 09:52:09

Air Pressure 956.7 hPa
2021-09-07 09:52:09

Rainfall accumulatio 6.40 mm
2021-09-07 09:52:09

Rain intensity 0.00 mm/hr
2021-09-07 09:52:09

Solar Radiation 265 W/m2
2021-09-07 09:52:09

Precipitation type No Precipi
2021-09-07 09:52:09

Brightness

Wind Speed

1 HOUR 1 DAY 7 DAY 15 DAY

2021-9-7 to 2021-9-7

Max	Average	Min
1.6	0.6695441	0.0

Time	Value
2021-09-07 09:52:09	0.67
2021-09-07 09:52:03	1.07
2021-09-07 09:51:58	1.36
2021-09-07 09:51:53	0.79
2021-09-07 09:51:48	1.02

Wind Speed

1 HOUR 1 DAY 7 DAY 15 DAY

2021-9-1 to 2021-9-7

Max	Average	Min
9.19	1.1831761	0.0

Time	Value
2021-09-07 09:52:29	0.47
2021-09-07 09:52:24	0.67
2021-09-07 09:52:19	0.69
2021-09-07 09:52:14	0.73
2021-09-07 09:52:09	0.67

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