

RCW-800WIFI USER MANUAL

Elitech cloud login: www.i-elitech.com.



iOS APP
Scan the QR code or
download on the App Store



Android APP
Scan the QR code or
download on the Google play

Overview

RCW-800WiFi is a temperature and humidity remote monitor based on IoT technology. It can be widely used in foodstuffs, catering, logistics and HACCP System industries and so on. With a combination of WiFi, Elitech App and Cloud platform, users can remotely view, monitor and manage data online via any web browsers or smart phones.

The device has one temperature and one humidity sensor and it is equipped with built-in rechargeable lithium battery that can provide real-time data uploading and alarm notifications continuously even after power outages and blackouts.

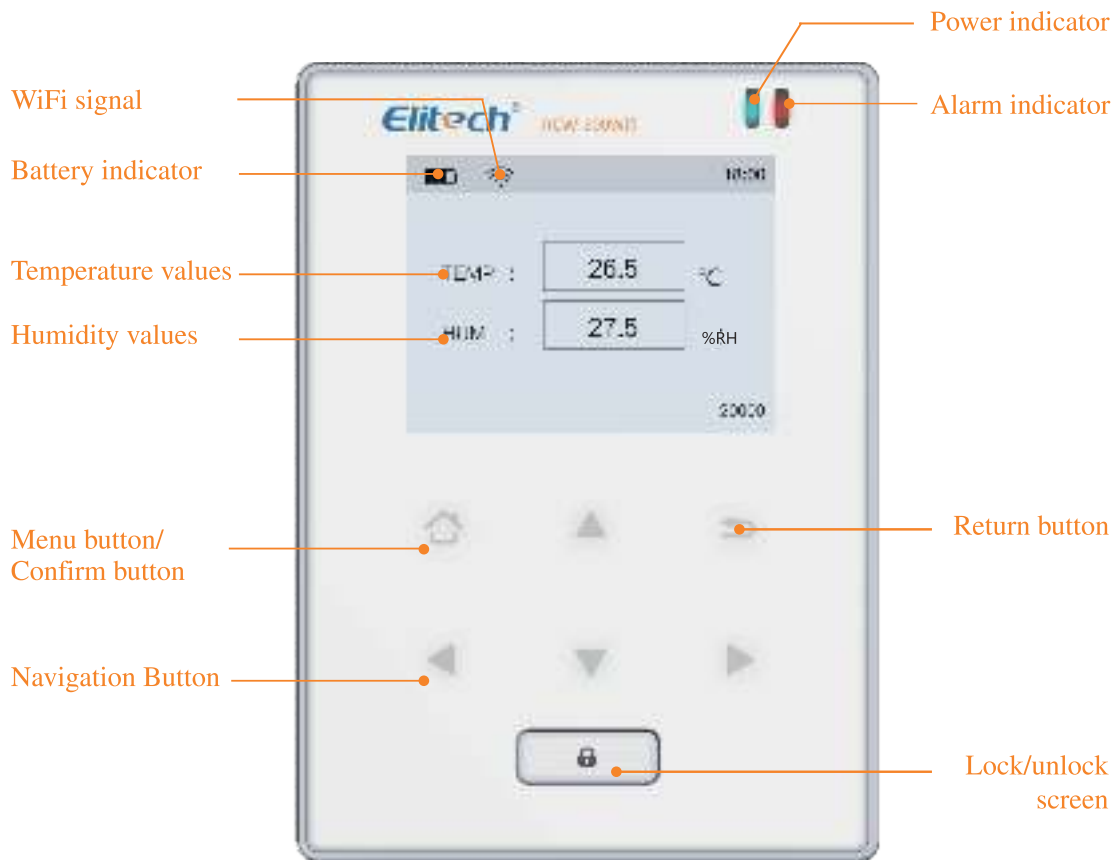
Features

- ◆ High sensitivity probe, short response time.
- ◆ Keep running up to 6 hours after power supply cut-off.
- ◆ Configurable alarm thresholds. Audio and visual alerts when beyond thresholds.
- ◆ Configurable uploading interval between 1 minute to 24 hours.
- ◆ 20,000 recording points on device, unlimited recording points on the Cloud server.
- ◆ WiFi access points for real-time data collecting and upload to the Cloud platform.
- ◆ Flexible data exporting, can export in multiple formats via the Cloud platform.

Technical parameters

- ◆ Power supply: 5V/1A(DC)
- ◆ Measurement range: Temperature: -40°C~80°C; Humidity: 10%RH~95%RH
- ◆ Accuracy: Temperature: $\pm 0.5^{\circ}\text{C}$ (-20°C~ 40°C); $\pm 1^{\circ}\text{C}$ (others); Humidity: $\pm 5\%RH$
- ◆ Temperature resolution: 0.1°C
- ◆ Temperature sensor: NTC; Humidity sensor: Honeywell
- ◆ Temperature/Humidity sensor wire length: 2m
- ◆ Data uploading interval: 1 minute to 24 hours
- ◆ Off-line record capacity: 20,000 recording points
- ◆ Online Cloud Recording Capacity: Unlimited
- ◆ Alarm output: LED indicator, buzzer, e-mails, Cloud platform/App push notification etc.
- ◆ Communication Method: WiFi
- ◆ Battery: 3.7V, 1100mAH rechargeable lithium battery

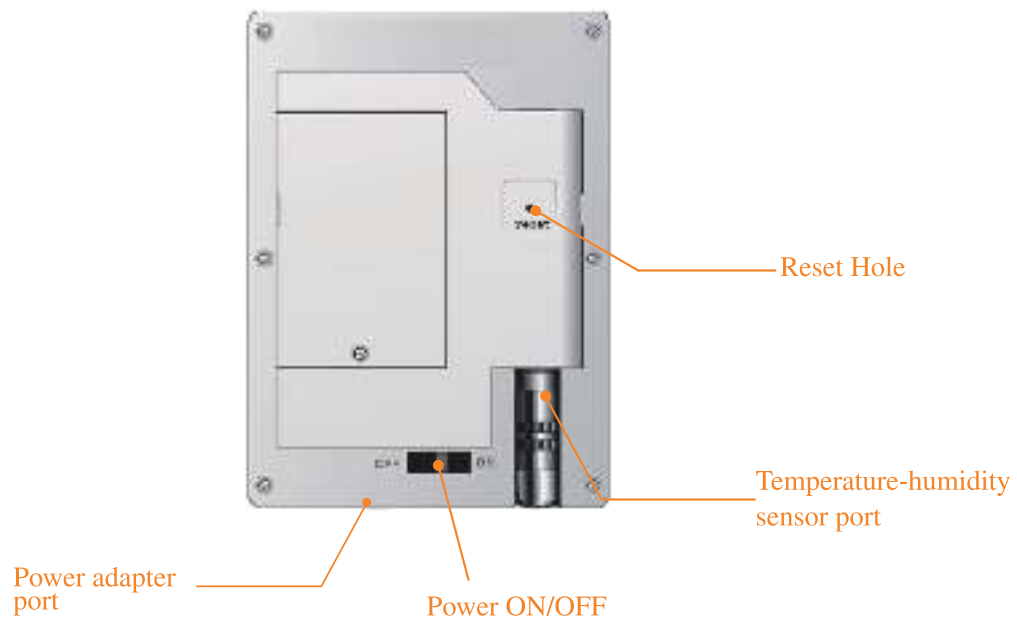
Apperance



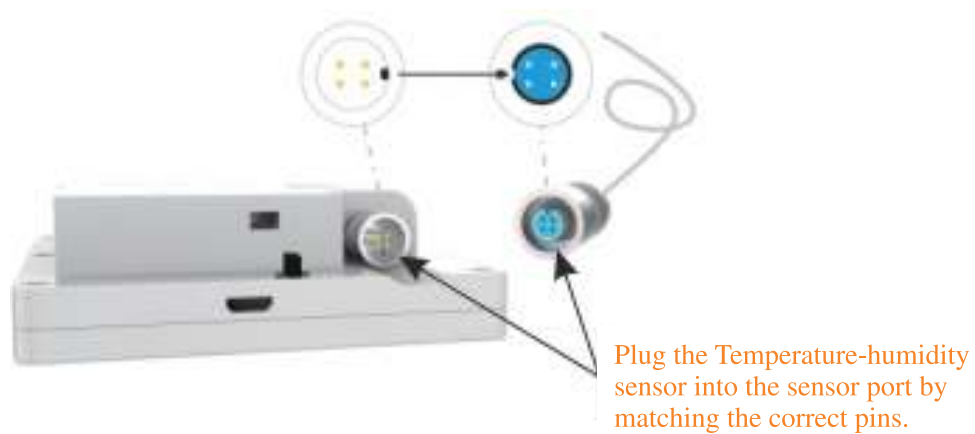
Installation



The front of the device



The back of the device





How to install the sensor

Touch Buttons:

 enter the selected menu.

  shift left/right to change the parameter.

  shift up/down to select the desired menu option.

 back to previous windows.

 lock/unlock the screen.

GUID Information

Get device GUID



Step 1: Click Menu key on the device .

Step 2: Move the cursor to “5. ABOUT THIS PRODUCT” by using Up and Down key.

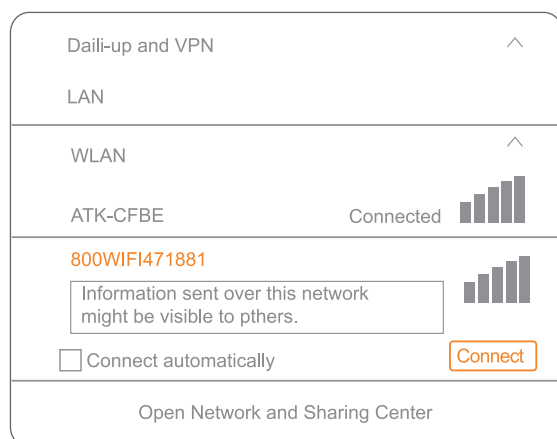
Step 3: Click Menu to confirm this option and view the GUID(20-digit numbers).

WiFi Configuration

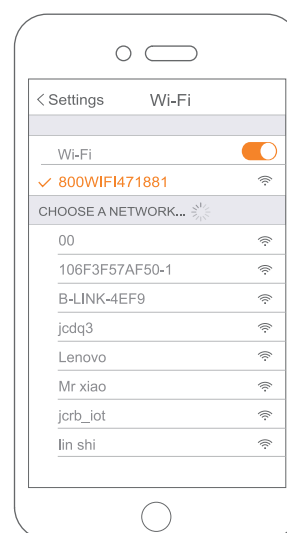
Please turn ON the monitor first and follow the setup steps below.

1. Connect to device’s network

Use a smart phone or PCs to search and connect corresponding device’s WiFi under the name of: '800wif*****'.



PCs



Phones

2. Reset

Prick the Reset hole for 5 seconds to reset the device if you want change device's WiFi access.



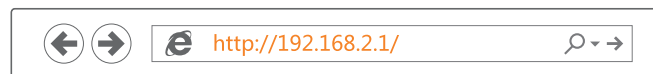
Keep the device on, prick the Reset hole for 5 seconds and restart the device.



The symbol after reboot.

3. IP address

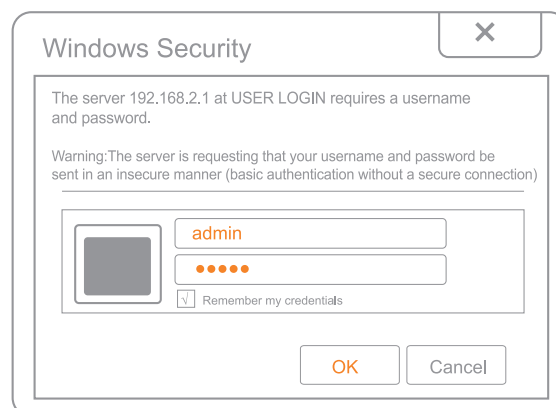
Type in IP address in any web browser: <http://192.168.2.1/>.



4. Login

Default user name: admin

Default password: admin.



5. Settings

Step 1: Select “STA mode” and click “Next”.

Select Mode

Select Mode:

Next

Step 2: Click “Scan”.

Network Name (SSID) Scan
Note:case sensitive

Encryption Method

Obtion an IP address automatically

IP Address

Subnet Mask

Gateway

DNS Server Address

Save

Step 3: Select a desired WLAN, such as “ATK-CFBE”.

Step 4: Click “OK”.

Please select your cerrent wireless network

Site Survey

	SSID	BSSID	RSSI	Channel
●	MR xiao	90:C7:D8:E6:13	45	4
●	ATK-CFBE	88:25:93:3A:CF:BE	86	6
●	yl	2:1A:11:FB:2C:7E	49	6
●	FAST-07B2	78:EB:14:7D:7:B2	49	6

OK Refresh

Step 5: Enter WLAN password.

Step 6: Click “Save”.

Network Name (SSID) Note: case sensitive	ATK-CFBE	Scan
Encryption Method	WPA2PSK	▼
Encryption Algorithm	AES	▼
Password	●●●●●●	WiFi
	<input type="checkbox"/> Show the password	
Obtain an IP address automatically	Enable	▼
IP Address	0.0.0.0	
Subnet Mask	0.0.0.0	
Gateway Address	0.0.0.0	
DNS Server Address	10.10.100.254	
		Save

Step 7: Click “Restart”.

Saved Successfully!

Configurations will take effect after restart.
After restart, you will need to re-login the configuration interface for other settings,so it is recommended to restart after completing all settings.
Please click [Restart] to restart now, or click [Back] to continue setting.You can restart after all configuration.

Step 8: Rebooting Successful! The device is restarted.successfully.

Rebooting Successful!

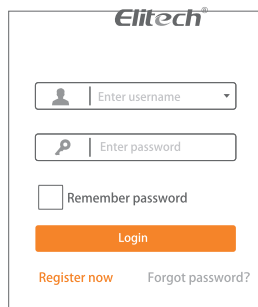
You can choose to manually close the page or reconnect the WIFI module of network and then login to the configuration interface.

Elitech App

1. Download and Login:

Please scan the QR code on the front of the manual or search Elitech on App Store or Google Play to download Elitech app.

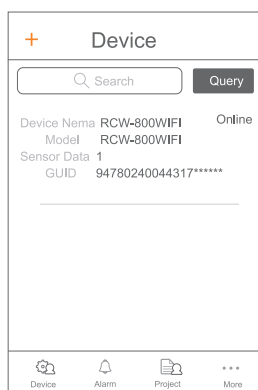
Register and login to your account.



The login screen features the Elitech logo at the top. Below it are two input fields: 'Enter username' with a person icon and 'Enter password' with a key icon. A 'Remember password' checkbox is located below the password field. An orange 'Login' button is positioned below the checkbox. At the bottom, there are two links: 'Register now' in orange and 'Forgot password?' in grey.

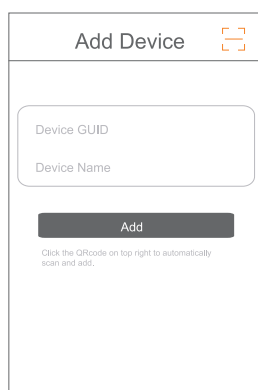
2. Add Device

Follow the steps below and repeat the procedures in 'WiFi Configuration' to network the devices.



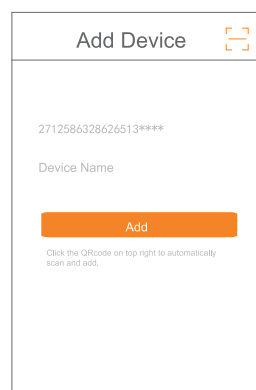
The 'Device' screen shows a search bar and a 'Query' button. Below, device information is listed: 'Device Name RCW-800WIFI Online', 'Model RCW-800WIFI', 'Sensor Data 1', and 'GUID 94780240044317*****'. A bottom navigation bar includes icons for 'Device', 'Alarm', 'Project', and 'More'.

①Click "+".



The 'Add Device' screen has a QR code icon in the top right. It contains input fields for 'Device GUID' and 'Device Name'. An orange 'Add' button is at the bottom. Below the button, a small instruction reads: 'Click the QRcode on top right to automatically scan and add.'.

②Click and scan the QR code on the back of the device.



This 'Add Device' screen shows the GUID '2712586328626513****' and a 'Device Name' input field. An orange 'Add' button is at the bottom. Below the button, a small instruction reads: 'Click the QRcode on top right to automatically scan and add.'.

③Click "Add" and the device will be added.

Elitech Cloud

1. Login Cloud Portal

Please type in the URL <http://www.i-elitech.com> to login for more operation.

Click 'Help' to obtain Cloud and App operation instructions.

2. Top up SIM card (only for GPRS Version)

If your device is not a Wi-Fi one, please refer to the App Instruction Manual to recharge your SIM card. You may experience it for two month for free.



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