



# IoT Cloud Box - CBOX

3in1 = IoT Gateway + DTU + HMI (Use mobile as local screen)

Integrated Multiple Functions. **Small Box, Big Use.**



Use local mobile or iPad as monitor screen, achieve local operations.



Supports remote programming, debugging, upload&download etc



Built-in Web API function, can control and obtain the device data through HTTP protocol



Support configuration screen integration. Device screen can be integrated into personalized scenes



## Model List

Model	TFT Screen	LAN	USB	COM	Voice	WiFi	Wireless Network	Dimension
CBOX	4G + 512M	2	2	2	Yes	Yes		50×120×85mm
CBOX-G	4G + 512M	2	2	2	Yes	Yes	China 4G	
CBOX-E	4G + 512M	2	2	2	Yes	Yes	Global 4G	



Ethernet Interface



WiFi Network



USB Interface



Cloud function



Voice function



Edge Computing



4G Network



## Product Features

- Integrated IoT gateway+DTU+HMI all in one, saving cost and space. Small box, big application.
- Supported voice function, access microphone and loudspeaker via USB, Supported text-to-speech, voice broadcasting, intercom function, innovative device cloud voice.
- Built-in Web API function, can control and obtain the device data through HTTP protocol.
- Support configuration screen integration. Device screen can be integrated into various personalized scenes
- Support access to third-party IoT platforms such as Alibaba Cloud, Amazon, Google, etc.
- Innovative A/B Key security mechanism, multi-unit networking, database, multi-screen interaction, Cloud camera remote monitoring etc.
- No need to develop the remote control interface twice, all projects are developed at one time, what you see is what you get. The display screen can be directly monitored through the mobile phone/PC terminal instead of the HMI screen, and the control is flexible and convenient.
- Support MQTT protocol. It can be connected to database server/ERP/MES and other systems to easily realize data collection and reporting. Support millions of terminal concurrent networks.
- Support Haiwell Cloud SCADA. Built-in Haiwell Cloud engine, integrated Haiwell Cloud service. Supports Cloud and mobile accessing control.
- Supports multiple third party protocols. Built-in a variety of industrial equipment drivers, support the current mainstream PLC, inverter, instruments.

Use local mobile or iPad as monitor screen, achieve local operations.



Config



AB Key

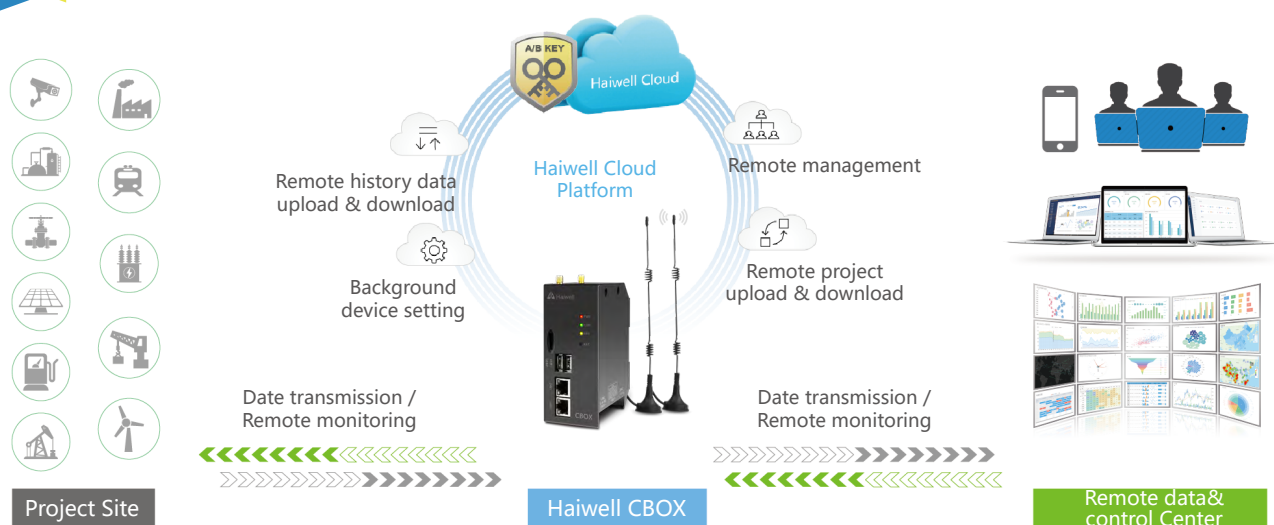


Remote Monitoring



Realtime alarm

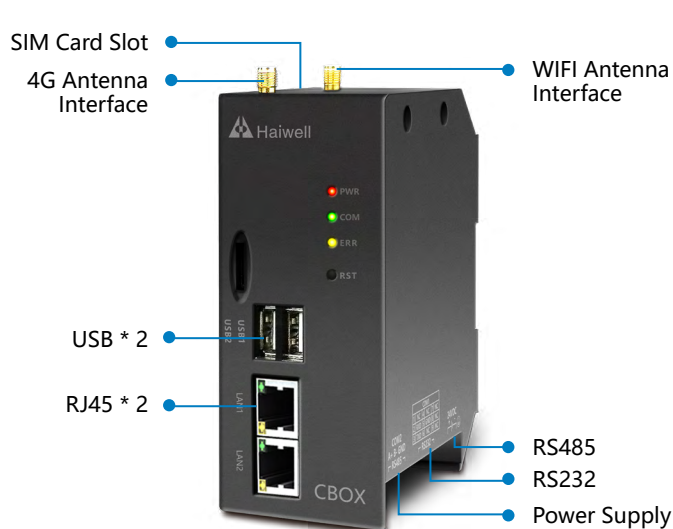
## Architecture Diagram



## Advantage

- |  |  |  |
|--|--|--|
| <p><b>API</b> Built-in Web API function, can control and obtain the device data through HTTP protocol.</p> | <p><b>Support configuration screen integration.</b> Device screen can be integrated into various personalized scenes</p> | <p><b>Built-in MQTT server,</b> can enable proxy function and easily implement MQTT networking.</p>  |
| <p><b>Remote Mobile APP monitoring and management.</b> A/B Key security</p>                                | <p><b>IoT</b> Support access to third-party IoT platforms such as Alibaba Cloud, Amazon, Google, etc</p>                 | <p><b>MQTT</b> Supports MQTT protocol. Easy connect to database as ERP/MES etc</p>   |
| <p><b>Supports remote devices centralized monitoring and management</b></p>                                | <p><b>Cloud transparent transmission.</b> Supports remote PLC programming, debugging etc</p>                             | <p><b>No need for users to build MQTT server,</b> easily achieve remote centralized control of equipment through Haiwell Cloud data center</p> |

## Interface Description



- 4G Networking**  
In the case of outdoor work such as mining, or limited networking conditions, 4G networking will be very helpful.
- Fearless from the wind and the sun**  
Strong housing protection design, even in harsh outdoor environments, no need to worry about hardware damage caused by exposed to the sun.
- Inside or outside cabinet installation**  
No additional cabinet protection required, can be installed inside or outside the cabinet, saving costs.



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Haiwell APP



Haiwell Wechat

The parameters of product are subject to changes without prior notice. (Ver I - 202209)