Haiwell Cloud

Haiwell 海为 ®

Monitoring anytime & anywhere by Mobile

Easy global networking

MQTT Server

IoT Inside

RFID

IoT Inside

Haiwell

Haiwell

C Series IoT Cloud HMI

3in1== HMI+IoT Gateway+DTU

No expansion required. More convenient to use. Cost-effective.

| Remote Monitoring | Built-in Ethernet | WiFi Network | USB*2 Port | Edge Computing | 4G Network | RFID |

Products List

型号	TFT screen	Storage	LAN+COM	USB	Voice	RFID	WIFI	Wireless	Hole Size	Dimension W*H*D
C7H-GW			1+2	2	Yes		Yes	China 4G		
C7H-R	7" 1024x600 HD	4G + 512M	1+3	2	Yes	Yes			193x138	
C7H-RW			1+3	2	Yes	Yes	Yes			200x146x37
C7H-EW			1+2	2	Yes		Yes	Global 4G		
C10S-GW			1+2	2	Yes		Yes	China 4G		
C10S-R	10.1" 1024x600	4G + 512M	1+3	2	Yes	Yes			260x202	
C10S-RW			1+3	2	Yes	Yes	Yes			270x212x35
C10S-EW			1+2	2	Yes		Yes	Global 4G		

Product Features

- Full fit screen design, brighter color, wider view, much brighter brightness and more clear dissolutio.
- Adopt new generation hardware, the anti-interference is more stable, Integrated IoT gateway+DTU+HMI all in one.
- Supported RFID function, can read the electronic tag, improve the workshop production Information management ability.
- Supported voice function,access microphone and loudspeaker via USB,Supported text-to-speech,voice broadcasting,intercom function,innovative device cloud voice.
- Supports for edge calculations. Edge computing through scripting engines built into the terminal, function operations, and interaction with device data.
- Support access to third-party IoT platforms such as Alibaba Cloud, Amazon, Google, etc.
- Built-in Web API function, can control and obtain the device data through HTTP protocol.
- Supports for multiple third party protocols. Built-in a variety of industrial equipment drivers.
- Higher safety level with A/B Key + local confirmation safety mechanism, ensure the safe and stable operation of equipments.
- Supports remote programming, download, diagnostics, monitoring and debugging of PLC programs.
- Support configuration screen integration. Device screen can be integrated into various personalized scenes.
- Supports remote accessing and control by Cloud and mobile. No need to develop the remote control interface, all projects are developed at one time. What you see is what you get in all screens.
- By the Haiwell data interconnection tool, real-time data/historical data can be stored in databases such as MySQL/SQL Server, and data distribution is supported, help to generate various data reports.

Supported text-to-speech, automatically broadcast alarm information of Chinese and English

Supported to broadcast fast batch voice notification through the device

Supported the intercom function, easily communicate by devices in groups

USB flash disk to audio

The innovative device cloud voice, support mobile phone remotely intercom and broadcast

Web API interface

- Third-party software and platforms can easily and securely obtain device data and control devices through the built-in Web API function using HTTP protocol, support real-time data push, support PHP, Java, C#, C++ languages. Support Internet and LAN network.

API Data Interchange http PHP Java C# C++
Remote Control

Configuration Screen Integration

- Haiwell has innovatively opened the integration function of the device configuration screen to third parties. Through a safe and easy-to-use interface, the device screen can be integrated into a variety of personalized scenarios such as third-party software, websites, APPs, and applets. Let third-party applications immediately have the remote control capabilities of the device.

Data Interchange
Remote Control
Customer platform

Haiwell Cloud Integration

- Through mobile phones APP provided by Haiwell cloud and Haiwell cloud website easily achieve the remote viewing and control of HMI/Cloud Box and SCADA. No IoT gateway in needed.
- Support to send alarm information by mobile phone APP, SMS, E-mail and other ways of communication, and using the powerful alarm mechanism makes you feel at ease wherever you are.

APP SMS

Remote equipments centralized control & Haiwell Cloud Data Center

- Haiwell IoT terminal can realize offsite data interchange through MQTT server.
- Through Haiwell Cloud SCADA, can read roffsite data and realize centralized control of remote equipments.
- Haiwell provides Cloud data center functions, eliminating the need for users to build MQTT servers, and easily realize centralized control of remote devices.
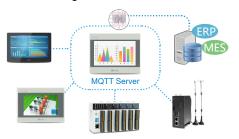
New York or Remote Data Collection Haiwell HMI Haiwell SCADA
Centralized Control Center
Beijing or MQTT Server Cloud Data Center Remote Data Interchange Xiamen or

Innovative A/B Key Security Mechanism

- Device needs to set the A Key in order to open Cloud access. It can set a number of B Key to assist A Key for management.
- If any visitor wants to bind the device, it need to get authorization from A key + B Key, and the access time can also be set. Double key auditing mechanism, higher security level.
- For remote operation, it can also be set that authorization confirmation must be performed on the device itself to ensure the safety of the device site.
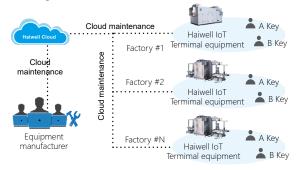
A/B KEY

Support MQTT protocol & built-in MQTT server

- Supports MQTT protocol, can be connected to database server/ERP/MES etc. Actively report, support millions of terminal concurrent network, can easily surpass and replace DTU equipment.
- Haiwell IoT terminal are built-in MQTT server, can enable the MQTT proxy function and easily implement MQTT networking.

ERP MES
MQTT Server

Cloud maintenance (Equipment manufacturer maintains identity)

- Different from A/B key, Cloud maintenance provides equipment manufacturers with exclusive maintenance identities
- Configure and enable Cloud maintenance in the project to facilitate mass production of equipment.
- There is a dedicated enterprise platform to configure the maintenance team and maintenance members.
- Cloud maintenance identity can realize remote transparent transmission, upload and download projects, upgrade firmware, remote control configuration, etc.

Haiwell Cloud Cloud maintenance
Haiwell IoT Termimal equipment A Key B Key Factory #1
Cloud maintenance
Factory #2 Haiwell IoT Termimal equipment A Key B Key
Equipment manufacturer Factory #N Haiwell IoT Termimal equipment A Key B Key

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ISO9001:2015

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