

HMI • SCADA • Cloud All in One

HMI

Human Machine Interface

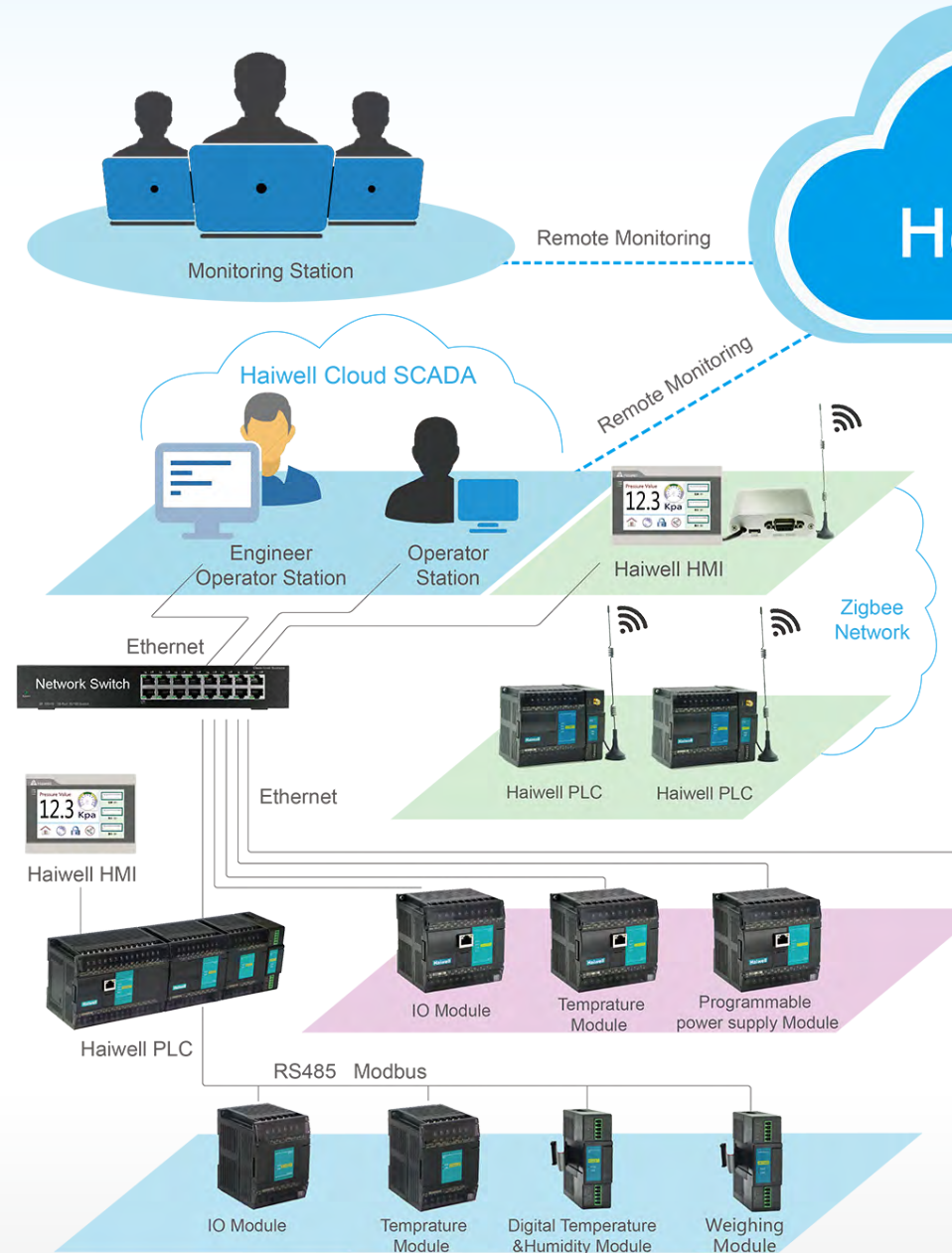
Haiwell Cloud Platform

Haiwell Cloud is a cross-platform IOT cloud platform. It supports PC, iPad, Android, IOS and other terminals. You can visit on-site equipments from a thousand miles away, and realize the remote monitoring and maintaining for HMI and PLC. It supports remote programming, firmware upgrades, monitoring and diagnosis etc.

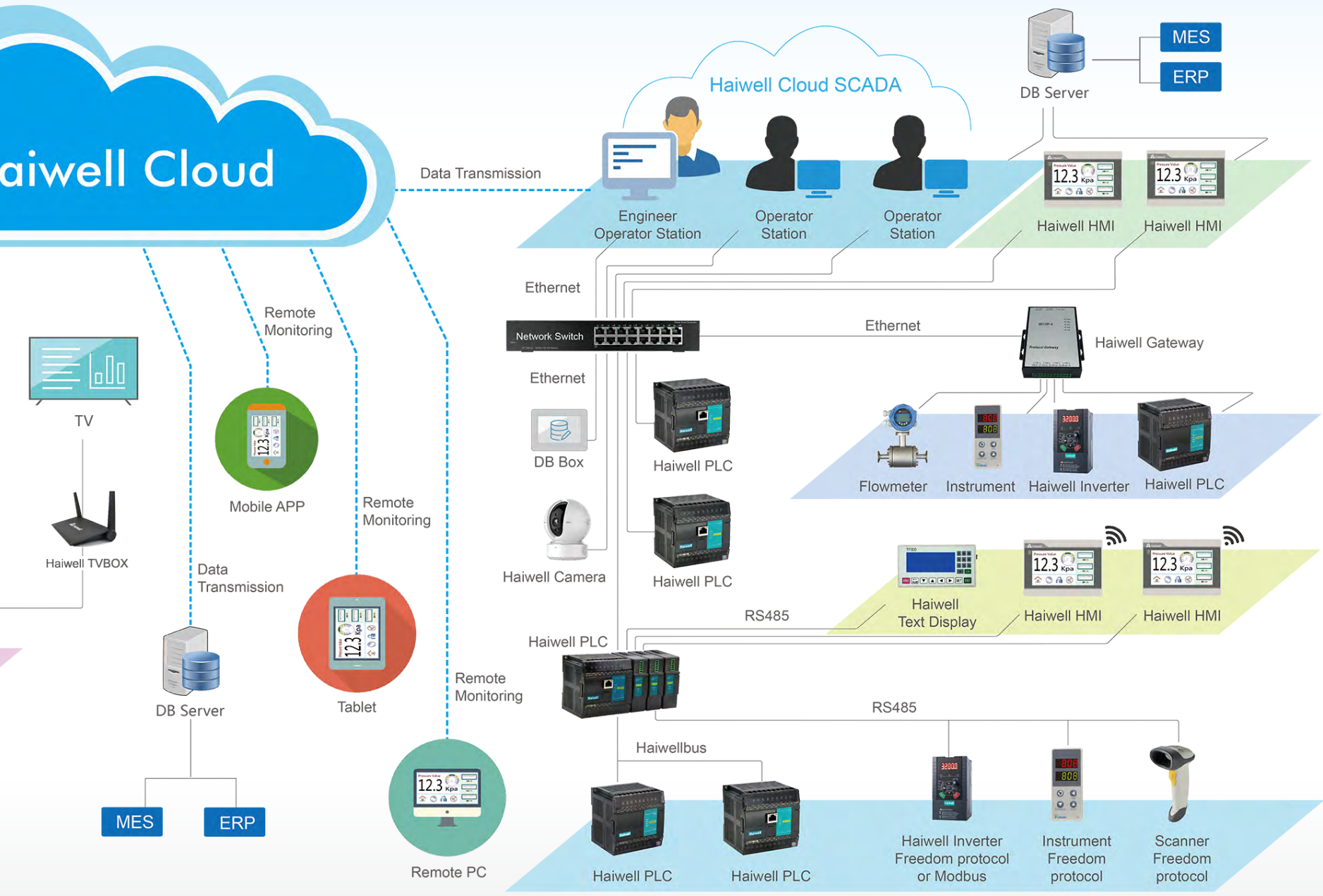
Haiwell Cloud provides security mechanisms for communication. It is secured by the encryption mechanism of 128-bit SSL, which ensures the stable and safe data transfer. It also uses A-key and B-Key protection mechanism to enable secure remote access to the devices.

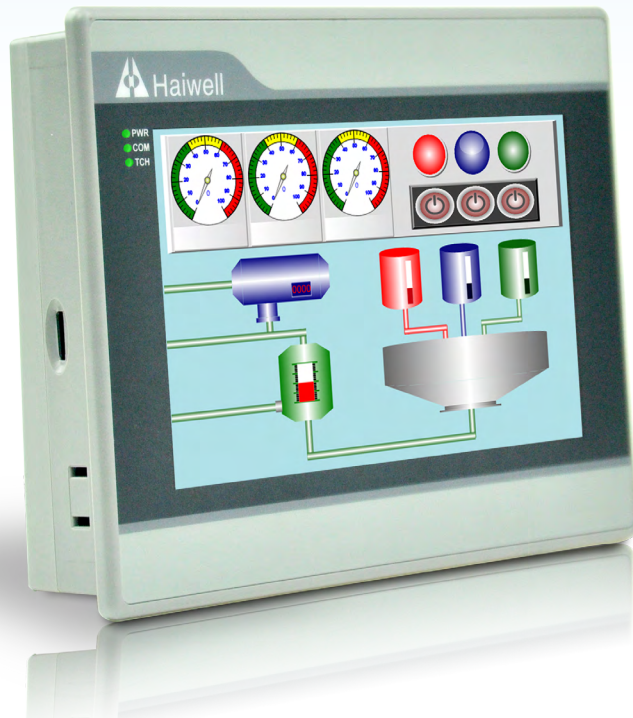
Haiwell Products

- Haiwell Cloud
- PLC Controller
- Load Cell Module
- Human Machine Interface
- Cloud SCADA
- Industrial Panel PC
- Inverter
- Large Screen Controller TVBOX
- Cloud Camera
- Text Display



Haiwell Cloud





7"

-w: Wifi
C7 C7-W

Win at the Starting Line

B o r n w i t h h i g h s t a n d a r d s

Colorful Screen
Configuration
AB Key
Program Download
Intelligent Management
Multiple HMI Networking
Haiwell Cloud
COM Ports
Database
Multi-Screen Function
MQTT Protocol

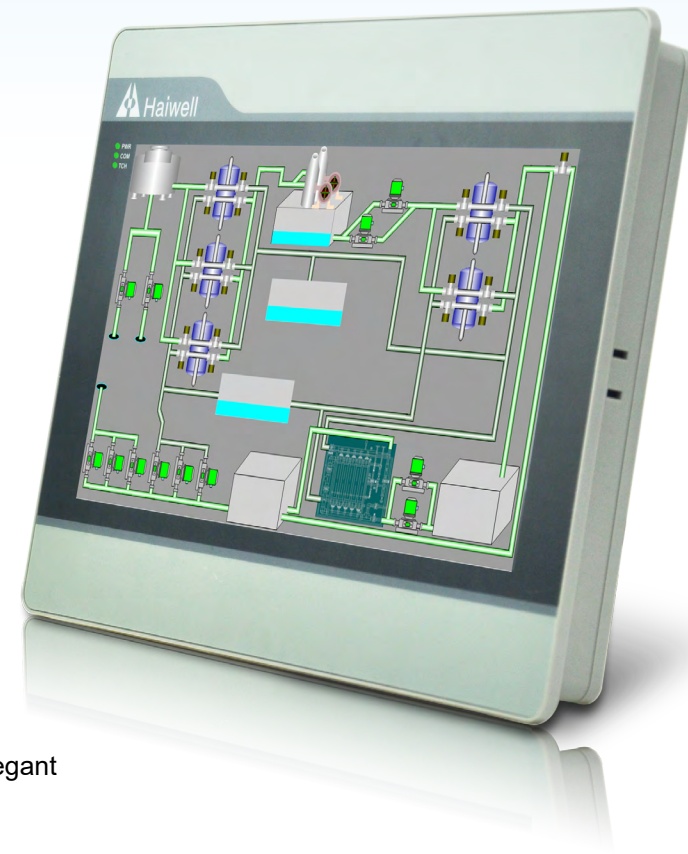
7" TFT 800x480, LED backlight, screen is real and exquisite
A8 CPU, 4GB FLASH + 512M DDR3
A/B Key security mechanism, Multi-language automatic translation, Project overview interface
Serial port/ U disk / SD card / Ethernet port/ Haiwell cloud
Support cloud / mobile terminal access control, strong operability
Innovative network mode, easy, convenient and practical
Integrate Haiwell cloud service, built-in Haiwell cloud engine
Standard RJ45 port, 2 serial ports (232/422/485), 2 USB ports, SD card. WiFi is optional
Support database accessing, easy connection with MES/ERP systems
Support multiple customized terminal display, and mutual management
Support MQTT protocol, making device easily connect to the Haiwell cloud, easily manage devices and process data with a wide range of application scenarios

10.1"

-w: Wifi
C10 C10-W

HMI with the Internet

Controlling anytime, anywhere



Appearance

10.1" TFT 1024x600. LED backlight, fashion, splendid, elegant

Configuration

A8 CPU, 4GB FLASH + 512M DDR3

Program Download

Serial port/ U disk / SD card / Ethernet port/ Haiwell cloud

Intelligent Management

Support cloud / mobile terminal access control, strong operability

AB Key

A/B Key security mechanism, Multi-language automatic translation, Project overview interface

Multiple HMI Networking

Innovative network mode, easy, convenient and practical

Haiwell Cloud

Integrate Haiwell cloud service, built-in Haiwell cloud engine

COM Ports

Standard RJ45 port, 2 serial ports (232/422/485), 2 USB ports, SD card. WiFi is optional

Database

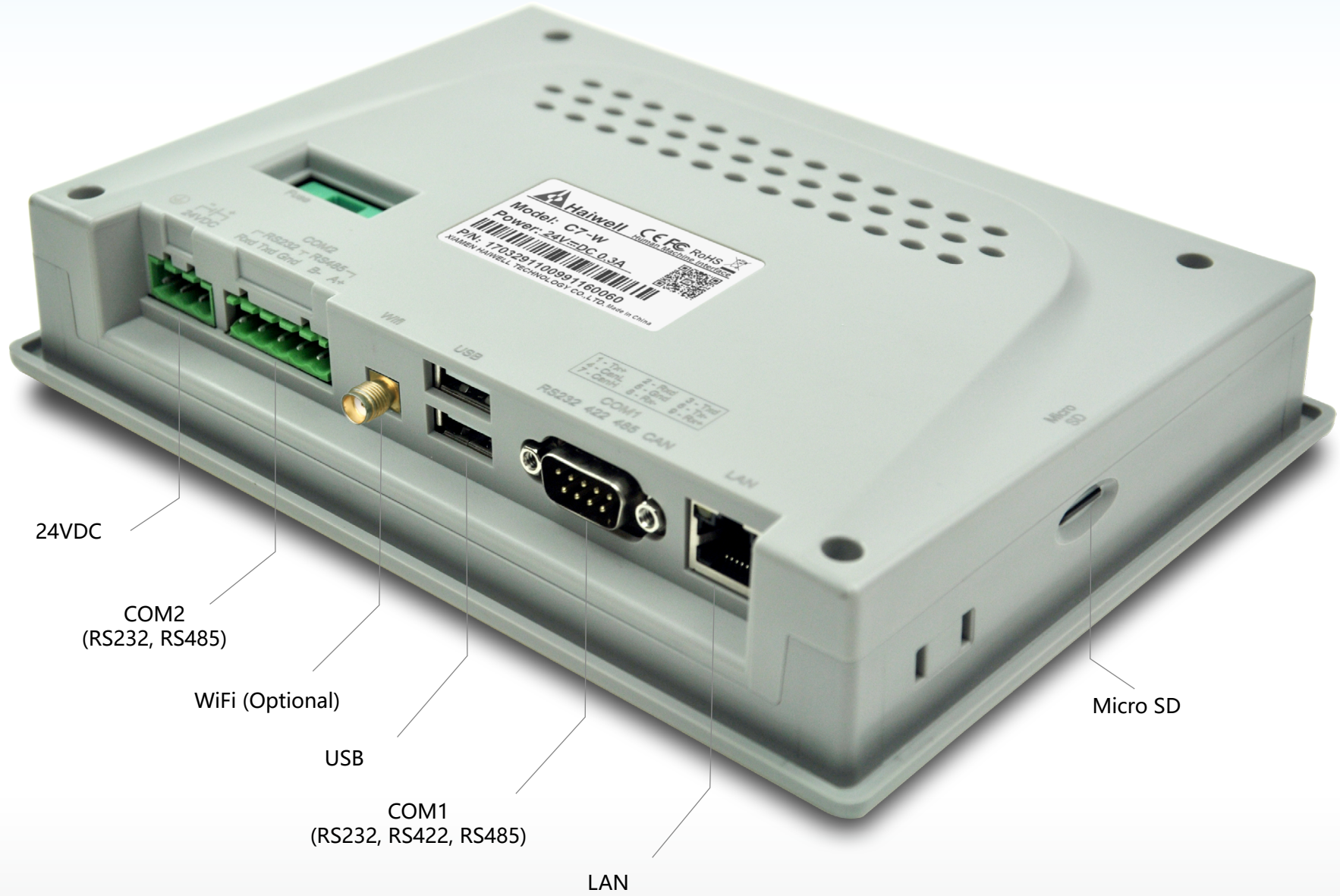
Support database accessing, easy connection with MES/ERP systems

Multi-Screen Function

Support multiple customized terminal display, and mutual management

MQTT Protocol

Support MQTT protocol, making device easily connect to the haiwell cloud, easily manage devices and process data with a wide range of application scenarios



24VDC

COM2
(RS232, RS485)

WiFi (Optional)

USB

COM1
(RS232, RS422, RS485)

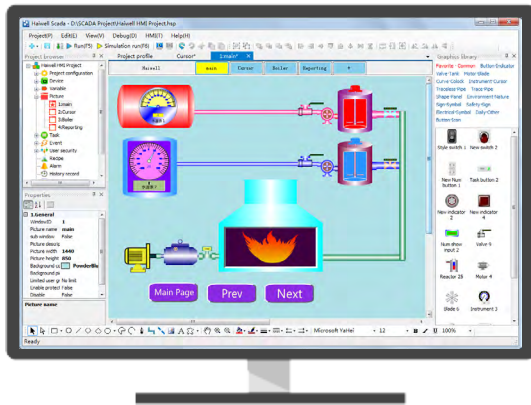
LAN

Micro SD

Haiwell Cloud SCADA Features Haiwell HMI software

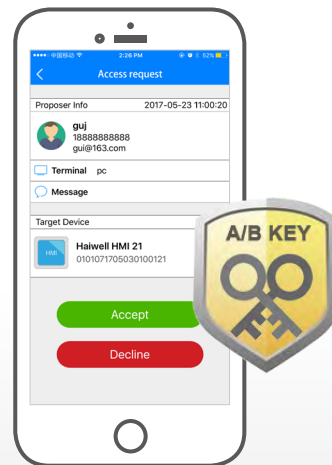
HMI directly uses SCADA Software for Programming & Management

- With the full functions of SCADA, design and manage HMI project
- Integration of SCADA system address variable mechanism enhances the efficiency of project development and maintenance



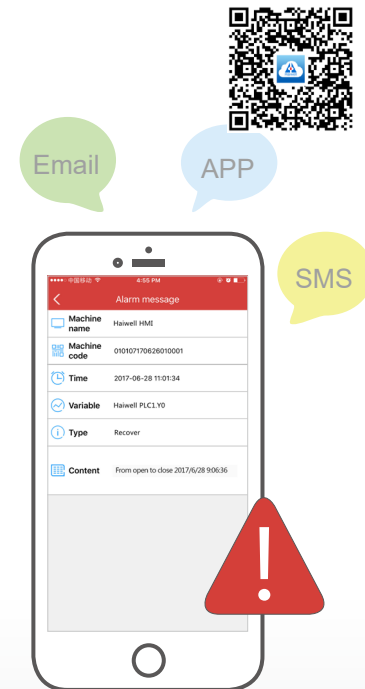
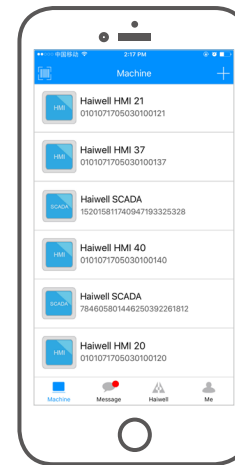
Innovative A/B Key Security Mechanism

- It needs to set the A Key account of HMI or SCADA in order to open cloud access, which can improve operational safety
- It can set a number of B Key accounts to assist A Key account in managing device, which can achieve multiple protection
- If any visitor wants to bind the device, it need to get authorization from A key and B Key, and A key and B Key can set the access time for visitors, the double key auditing mechanism has a higher security level



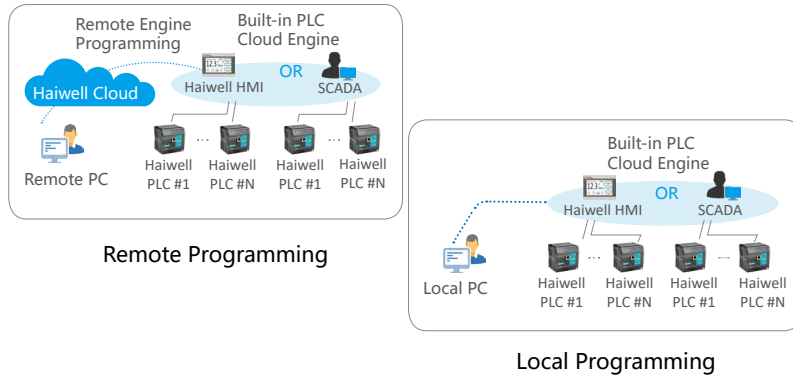
Haiwell Cloud Integration

- Through mobile phones APP provided by Haiwell cloud and Haiwell cloud website easily achieve the remote viewing and control of HMI and SCADA
- 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



Haiwell Cloud Engine

There is no need to set any virtual serial port or router, because HMI / SCADA has built-in Haiwell cloud engine which can achieve PLC online, remote programming and remote monitoring. When PLC is online through cloud engine, it is controlled by the A / B Key security, protecting the safety of device.



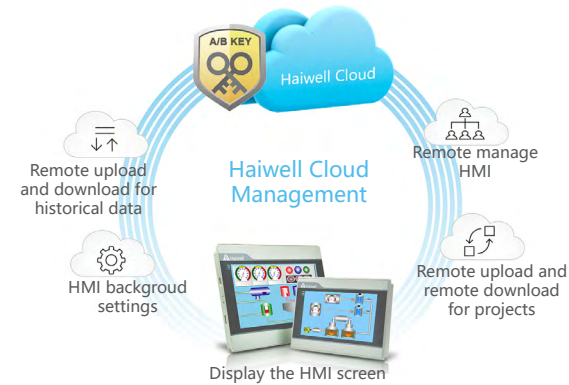
Multiple HMI Networking Easily

It only needs to run project on a host HMI, any slave can be directly connected to the networking of host HMI without any project running, and it does not limit the number of slave devices connected, achieving simple and flexible networking.



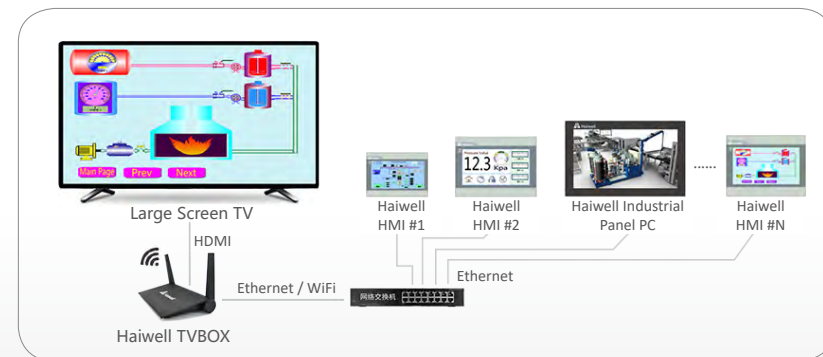
Haiwell Cloud Management

Through the Cloud management function, HMI can be managed remotely via Internet, including remote project download, remote firmware update, remote basic configuration, remote historical data download and so on. The whole process is under the protection of AB-KEY security mechanism, so the remote debugging is convenient and safe.



"Large display +HMI" cross-screen linkage

- Through Haiwell large display controller Haiwell TVBOX , you can realize large screen display of HMI in the LAN network
- One TVBOX, one TV, multiple HMI can easily realize the function of the large electronic display board



Haiwell Cloud map

- You can easily remote view all the device's geography location on the phone, you can also display all the devices on the big screen map, both intuitive and convenient
- With the real-time bounce-alarm function, you can immediately view the location of alarm source device.



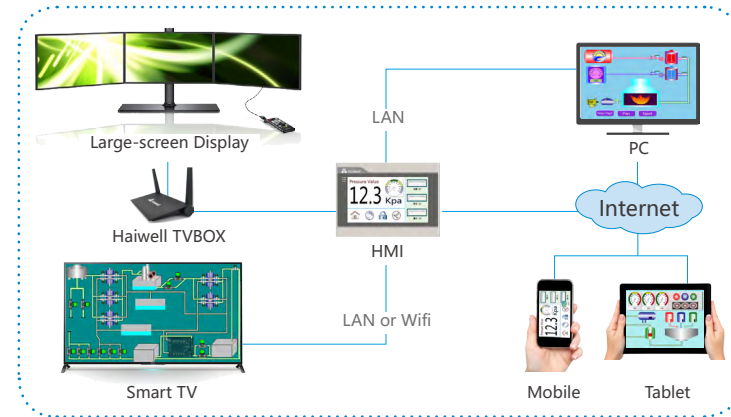
Cloud Camera Remote Monitoring

Cloud camera deeply integrated haiwell cloud service, through the HMI special control, configuration is very simple and convenient, you can use mobile app, cloud website to do remote viewing of HD smooth real-time video on devices such as industrial PC



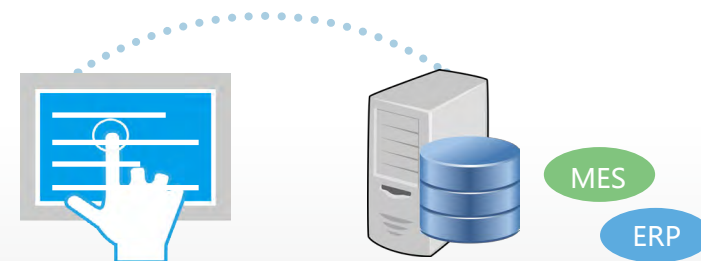
Multi-Screen Communication

- Support multiple terminal display as TV/PC/Mobile etc. User can customize the picture for different display size.
- Support mutual control between the devices. For example you can control the TV display by mobile.



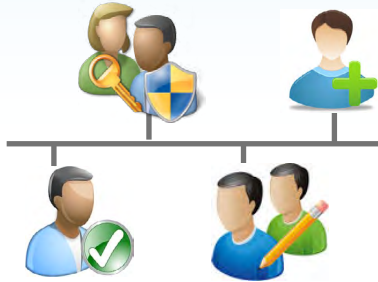
Database Support

- Support to save real-time&history data to database as MySQL/SQL Server etc.
- HMI can easily communicate with MES/ERP system through database



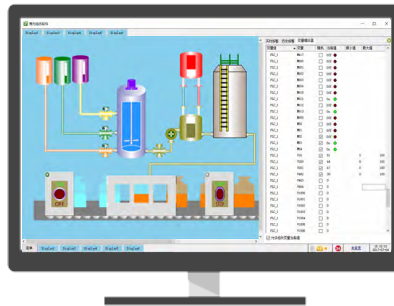
User Group Permission Management Mechanism

Through the mechanism of user group, it can control permissions of screens, primitives and so on, easy to achieve convenient management and change user permissions, meanwhile supporting remote add managing users on running terminal without changing the project, greatly saving the time.



Simulation Running

Support offline simulation function, it can simulate running with the preset variable value, you can easily modify the variable value to check the project.



Javascript

- The system uses the most popular HTML5 core technology: Javascript language
- Due to the ecological maturity of HTML5 technology, a large number of Javascript script resources on the Internet provide a great convenience for the script development



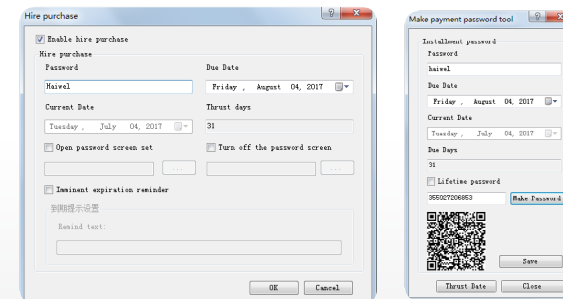
Multi-language Automatic Translation

It supports 26 kinds of languages (Chinese, English, Japanese, Korean, Spanish, French, Thai, Arabic, Russian, Portuguese, German, Italian, Dutch, Finnish, Danish, etc.) which can be automatically translated from each other, and no need to design screen for each language, it does not matter if you do not understand foreign language, just a simple setting, easy to achieve multi-language project.



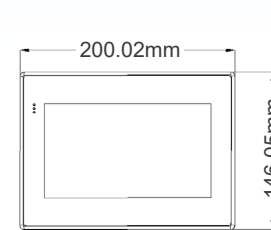
Installment Payment

- Support infinite installment payment settings
- Support postpone instruction and release restriction instruction of installment payments made by Haiwell cloud

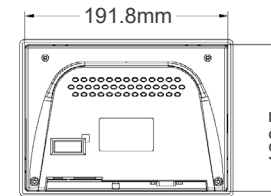


Specification	Model	C7 C7-W	C10 C10-W
Display	Display	7" TFT	10.1" TFT
	Resolution	800x480 pixels	1024x600 pixels
	Colors	16.7M	16.7M
	Brightness(cd/m ²)	300	350
	Contrast Ratio	800:1	500:1
	Touch Type	Resistive Type	Resistive Type
Backlight	Backlight Type	LED	LED
	Backlight Life Time	20,000 Hours	20,000 Hours
	Automatic Dormancy	Support and Configurable	Support and Configurable
Software		Haiwell Cloud SCADA	Haiwell Cloud SCADA
Processor	CPU	A8	A8
Memory	Flash	4GB EMMC	4GB EMMC
	RAM	DDR3 512M	DDR3 512M
I/O Port	Micro SD Card Slot	Support	Support
	Ethernet Port	10/100 Base-T	10/100 Base-T
	WiFi (Optional)	802.11b/g/n	802.11b/g/n
	COM Port	COM1: RS232/RS422/RS485 COM2: RS232/RS485	COM1: RS232/RS422/RS485 COM2: RS232/RS485
	USB Host	USB2.0 x 2	USB2.0 x 2
	Print Port	COM Port/USB Print	COM Port/USB Print
Power	Input power	24±20%VDC	24±20%VDC
	Power Consumption	<7W	<10W
	Power Isolation	Built-in	Built-in
	Voltage Resistance	500V AC	500V AC
	Isolation Resistance	Exceed 50MΩ @500VDC	Exceed 50MΩ @500VDC
	Vibration Endurance	10 ~ 25 Hz (X, Y, Z direction 2G/30 minutes)	10 ~ 25 Hz (X, Y, Z direction 2G/30 minutes)
Environment	Cooling Type	Natural air Cooling	Natural air Cooling
	Protection Structure	IP65	IP65
	Storage Temperature	-20 ~ 70°C	-20 ~ 70°C
	Operating Temperature	-10°C ~ 60°C	-10°C ~ 60°C
	Relative Humidity	10 ~ 90%RH (non-condensing)	10 ~ 90%RH (non-condensing)
Specification	Enclosure	Engineering Plastic ABS (Flame-retardant level)	Engineering Plastic ABS (Flame-retardant level)
	Dimensions WxHxD	200x146x37mm	270x212x35mm
	Panel Cutout WxH	193x138mm	260x202mm
	Weight	About 0.7kg	About 1.2kg
Certification	Certification	CE, FCC	CE, FCC

7" Dimensions



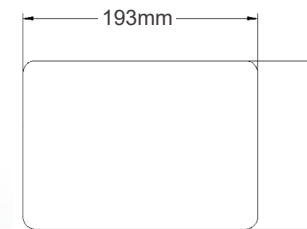
Front View



Rear View

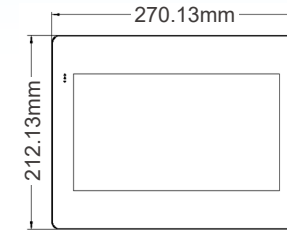


Bottom View

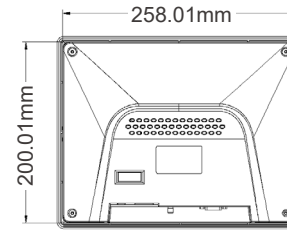


Cutout Dimension

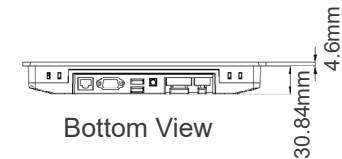
10" Dimensions



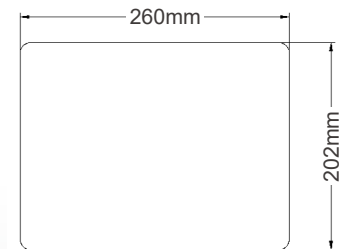
Front View



Rear View



Bottom View



Cutout Dimension



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RoHS CE FC  ISO
ISO9001:2015

Haiwell Cloud APP



Haiwell Wechat



The parameters of product are subject to changes without prior notice. (Ver. I - 201901)