Haiwell 海为 ®

High-definition Full View Double Ethernet Speed Faster Local Video

Piano Black Color Narrow Bezel Design High-end appearance

Haiwell Cloud

MQTT Server

4.3"/7"/10.1"/15.6"

D Series SmartLink HMI

10 Highlights

- Enable simple connection between HMI, mobile phone, tablet, computer, TV,camera and other HMIs in local area network.
- Enable simple connection between HMI, mobile phone, tablet, computer, TV, camera and other HMIs over the Internet.
- Allow remote access for multiple concurrent users without SCADA in the cloud or VNC connection.
- Provide data transmission and data storage in any public or private server.
- Integrate data with ERP, MES or other applications by MQTT, OPC UA, HTTP, TCP and etc.
- Embed the diaplay of HMI in other applications like software, APP and etc.
- Include intelligent functions such as TTS output, intercom, audio playing, video surveillance and etc.
- Use mobile phone as a scanner to scan barcode and enter infomation in HMI.
- Apply to data visualization or centralized control on large screen by TVBOX.
- Use innovative design including HD screen, narrow bezel.

Model List

Model	TFT Screen	Storage	LAN+COM	USB	Voice	WiFi	Wireless	Hole Size	Dimension
D4	4.3" 800*480 HD	4G + 512M	1+2	1	Yes			132x80mm Chamfer: (R6mm)	137x85x30mm
D4-G		4G + 512M	1+2	1	Yes		China 4G		
D4-W		4G + 512M	1+2	1	Yes	Yes			
D4-E		4G + 512M	1+2	1	Yes		Global 4G		
D7	7" 1024*600 HD	4G + 1G	2+3	2	Yes			187x114mm Chamfer: (R9mm)	194x121x32mm
D7-G		4G + 1G	2+3	2	Yes		China 4G		
D7-W		4G + 1G	2+3	2	Yes	Yes			
D7-E		4G + 1G	2+3	2	Yes		Global 4G		
D10	10.1" 1280*800 HD	4G + 1G	2+3	2	Yes			254x161mm Chamfer: (R7mm)	261x168x33mm
D10-G		4G + 1G	2+3	2	Yes		China 4G		
D10-W		4G + 1G	2+3	2	Yes	Yes			
D10-E		4G + 1G	2+3	2	Yes		Global 4G		
D15	15.6" 1920x1080	4G + 1G	1 + 3	2	Yes			383x245mm Chamfer: (R8mm)	394x256x41mm
D15-G		4G + 1G	1 + 3	2	Yes		China 4G		
D15-W		4G + 1G	1 + 3	2	Yes	Yes			
D15-GW		4G + 1G	1 + 3	2	Yes	Yes	China 4G		
D15-E		4G + 1G	1 + 3	2	Yes		Global 4G		
D15-EW		4G + 1G	1 + 3	2	Yes	Yes	Global 4G		

Features

Connection in LAN
All models have built-in IIoT technology which enables local access and open interface without internet.
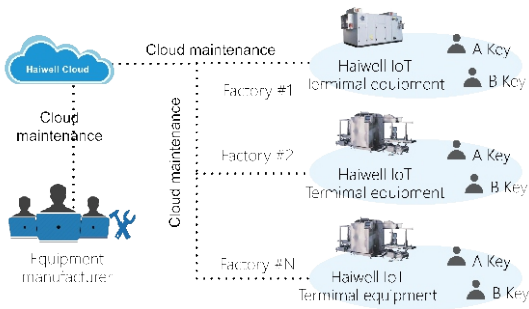
Remote access
With the real-time control solution developed by Haiwell, concurrent users can remotely access HMI by APP and desktop.

Cloud maintenance

It's easier for manufacturers to manage equipments by using remote maintenance function.
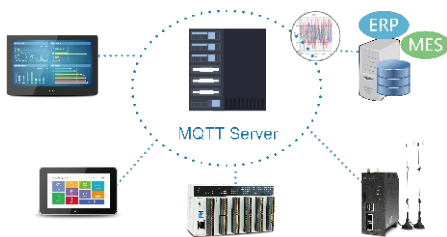

Data security

The user data is not stored in Haiwell cloud. All the data can be stored in private or public server assigned by users.
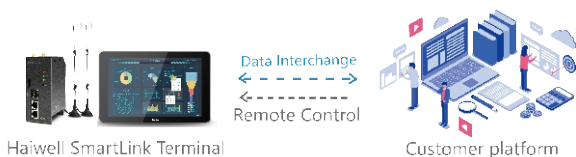

MQTT protocol

MQTT protocol is supported and applied to the connection with ERP/MES/database.

Display integration

The display of HMI can be embedded in other applications such as software, website, APP and etc so that they have remote access to HMI.
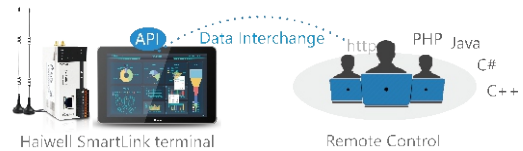

Secure access

The remote access needs to be identified by the A/B key security mechanism. The remote control can be configured to be authorized on HMI.

Web API

Users can get the data and control device on their own platform or software by Web API in local area network or over Internet.
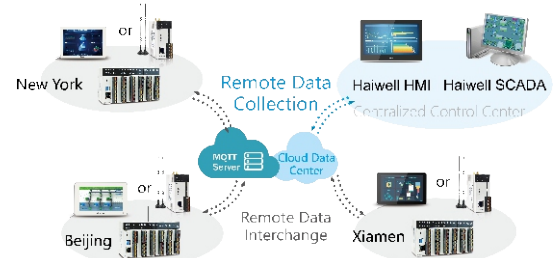

IoT platform

All models support the connection to Alibaba Cloud IoT, AWS IoT and Google Cloud IoT Core.

Currently suppored IOT platforms. Keep updating...

Remote centralized control

All the data of remote devices can be acquired through MQTT broker for centralized control. Users don't even need to deploy server if using cloud data center.

Text to speech

The english text can be converted into voice through built-in speaker. Audio files can also be played.

Voice intercom

All models support voice intercom, voice broadcast and remote intercom with APP.

Support text to speech

Support voice broadcast

Support voice intercom

usb to audio adapter

Support remote intercom and broadcast with mobile phone

Video surveillance

HMI can connect with camera supporting RTSP or EZVIZ protocol by Ethernet. The camera can be watched on HMI and APP.

Camera
(Support RTSP protocol)

Ethernet

Haiwell Cloud APP

WeChat small program

Video playing

You can play video on HMI. The supported formatis MP4.
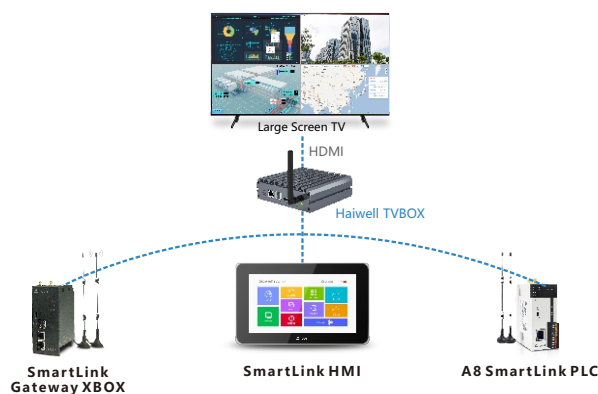
HMI built-in quad-core high-performance processor

Mobile scanner

You can turn your mobile phone into a barcode scanner and enter information everywhere. It's more convinient than external scanner.

Digital display board

The production data, device state and video surveillance can be viewed on large screen by connecting with TVBOX. It can be appllie to data visualization and centralized control.

Mobile authentication

The identity of operator can be verified by using NFC recognition or scanning a QR code with mobile phone.

Large Screen TV

HDMI

Haiwell TVBOX

SmartLink Gateway XBOX

SmartLink HMI

A8 SmartLink PLC

Specification

Specification		4.3"	7"	10.1"	15.6"
Software	Programming software	Haiwell Cloud SCADA			
Display	Screen size	4.3"TFT	7"TFT	10.1"TFT	15.6"TFT
	Resolution	800x480pixels	1024x600pixels	1280x800pixels	1920x1080 pixels
	Display color	16.7M			262K
	Brightness	450 cd/m²			350 cd/m²
	Viewing angle	80'/80'/80'/80'	85'/85'/85'/85'		
	Touch panel type	Analog resistive film			
Backlight	Type	LED			
	Life	50,000 hours			
	Auto sleep function	Yes			
Hardware	Flash	4GB			
	RAM	512M	1G		
	Ethernet port	10/100 Base-T*1	10/100 Base-T*1、10/100/1000 Base-T*1		
	Serial port	COM1:RS232*1 COM2:RS485*1	COM1:RS232*1 COM2:RS485*1 COM3:RS485*1		
	USB HOST	USB2.0 *1	USB2.0 * 2		
	RTC	Yes			
Power	Rated input power	24V Dc±20%			
	Power consumption	6W@24V DC	8W@24V DC	10W@24V DC	15W@24V DC
	Power protection	Surge protection and anti-reverse protection			
	Withstand voltage	500V AC			
	Insulation resistance	50MΩ @500VDC or more			
	Vibration resistance	10 - 25Hz: 2G/30 minutes in each of X,Y or Z direction			
Environment	Cooling method	Natural air circulation			
	Protection grade	Front: Ip65			
	Storage temperature	-20 ~70℃			
	Operating temperature	-10℃ ~ 60℃			
	Relative humidity	10 ~ 90% RH (non-condensing)			
	Operating environment	Prevention of dust, moisture, corrosion, electric shock and external shock			
external shock	Structure Material	ABS (flame-retardant)			Aluminm case and glass panel
	External dimensions	137x85x30mm	194x121x32mm	261x168x33mm	394x256x41mm
	Panel cut dimensions	132x80mm (R6mm)	187x114mm (R9mm)	254x161mm (R7mm)	383x245mm (R8mm)
	Weight	0.3kg	0.7kg	1.1kg	3.2kg
	Installation	Panel mounting			
Function	WiFi	Optional (802.11b/g/n)			
	Wireless	Optional (4G)			

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Haiwell APP   Haiwell Wechat