Haiwell 海为®

MQTT Server

Haiwell Cloud

RFID support

Built-in voice, microphone and speaker



A Series Intelligent HMI

14 Highlights

- Enable simple connection betweenHMI, mobile phone, tablet, computer,TV,camera and other HMIs in local area network.
- Enable simple connection betweenHMI, 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 display of HMI in other applications like software, APP 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.
- Support Beidou positioning and trajectory tracking.
- Include intelligent functions such as TTS output, intercom, audio and video file playback, video surveillance, RFID/NFC recognition and etc.
- Use innovative design including HD Full Viewing Angle Display, narrow bezel and microphone, speaker and RFID reader.
- Swipe down to adjust brightness/volume and check network status instantly, no background access needed.
- Zero configuration, auto-discovers LAN cameras with one-click binding, supports alarm-triggered recording.
- No pre-designed buttons needed. Lists all screens clearly for one-click seamless navigation.

Model List

Model	TFT Screen	Storage	LAN+COM	USB	Intelligentize	Voice	Video Play	Local Camera	RFID	Satellite Positioning	WIFI	Wireless	Hole Size W×H(mm)	Dimension W×H×D(mm)
A7	7" 1024*600 HD Full Viewing Angle Display	8G+512M	1+3	1	Speaker	Yes	Yes						187x114 Chamfer: R7mm	193x120x32mm
A7-G		8G+512M	1+3	1	Speaker	Yes	Yes					Built in eSIM		
A7-W		8G+512M	1+3	1	Speaker	Yes	Yes				Yes			
A7-GP		8G+512M	1+3	1	Speaker	Yes	Yes			Yes		Built in eSIM		
A7-GW		8G+512M	1+3	1	Speaker	Yes	Yes				Yes	Built in eSIM		
A7-E		8G+512M	1+3	1	Speaker	Yes	Yes					Global 4G		
A7-EP		8G+512M	1+3	1	Speaker	Yes	Yes			Yes		Global 4G		
A7-EW		8G+512M	1+3	1	Speaker	Yes	Yes				Yes	Global 4G		
A7 Pro		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes					
A7 Pro-G		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes			Built in eSIM		
A7 Pro-W		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes			
A7 Pro-GP		8G + 1G	2+3	2	microphone speaker	Yes	Yes	Yes	Yes	Yes		Built in eSIM		
A7 Pro-GW		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes	Built in eSIM		
A7 Pro-E		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes			Global 4G		
A7 Pro-EP		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes	Yes		Global 4G		
A7 Pro-EW		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes	Global 4G		
A10	10.1" 1280*800 HD Full Viewing Angle Display	8G + 1G	1+3	1	Speaker	Yes	Yes						254x161 Chamfer: R7mm	260x167x32mm
A10-G		8G + 1G	1+3	1	Speaker	Yes	Yes					Built in eSIM		
A10-W		8G + 1G	1+3	1	Speaker	Yes	Yes				Yes			
A10-GP		8G + 1G	1+3	1	Speaker	Yes	Yes			Yes		Built in eSIM		
A10-GW		8G + 1G	1+3	1	Speaker	Yes	Yes				Yes	Built in eSIM		
A10-E		8G + 1G	1+3	1	Speaker	Yes	Yes					Global 4G		
A10-EP		8G + 1G	1+3	1	Speaker	Yes	Yes			Yes		Global 4G		
A10-EW		8G + 1G	1+3	1	Speaker	Yes	Yes				Yes	Global 4G		
A10 Pro		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes					
A10 Pro-G		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes			Built in eSIM		
A10 Pro-W		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes			
A10 Pro-GP		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes	Yes		Built in eSIM		
A10 Pro-GW		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes	Built in eSIM		
A10 Pro-E		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes			Global 4G		
A10 Pro-EP		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes	Yes		Global 4G		
A10 Pro-EW		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes	Global 4G		
A15	15.6" 1920x1080 HD Full Viewing Angle Capacitive Screen	8G + 1G	2+3	2	Speaker	Yes	Yes						383x245 Chamfer: R7mm	394x256x45mm
A15-G		8G + 1G	2+3	2	Speaker	Yes	Yes					Built in eSIM		
A15-W		8G + 1G	2+3	2	Speaker	Yes	Yes				Yes			
A15-GP		8G + 1G	2+3	2	Speaker	Yes	Yes			Yes		Built in eSIM		
A15-GW		8G + 1G	2+3	2	Speaker	Yes	Yes				Yes	Built in eSIM		
A15-E		8G + 1G	2+3	2	Speaker	Yes	Yes					Global 4G		
A15-EP		8G + 1G	2+3	2	Speaker	Yes	Yes			Yes		Global 4G		
A15-EW		8G + 1G	2+3	2	Speaker	Yes	Yes				Yes	Global 4G		
A15 Pro		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes					
A15 Pro-G		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes			Built in eSIM		
A15 Pro-W		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes			
A15 Pro-GP		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes	Yes		Built in eSIM		
A15 Pro-GW		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes	Built in eSIM		
A15 Pro-E		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes			Global 4G		
A15 Pro-EP		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes	Yes		Global 4G		
A15 Pro-EW		8G + 1G	2+3	2	Microphone Speaker	Yes	Yes	Yes	Yes		Yes	Global 4G		

Features

Connection In LAN

All models have built-in IIoT technology which enables local access and open interface without internet.



Video Surveillance

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



(Only supported in Pro version)

Video Playing

Users can play video on HMI. The supported format is Mp4.



(Only supported in Pro version)

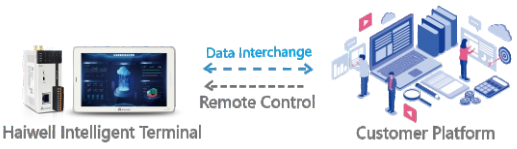
Device & Data Security

Dual Key review & remote local authentication safeguard access, data stays off-cloud, supporting designated server & local/public network deployment.



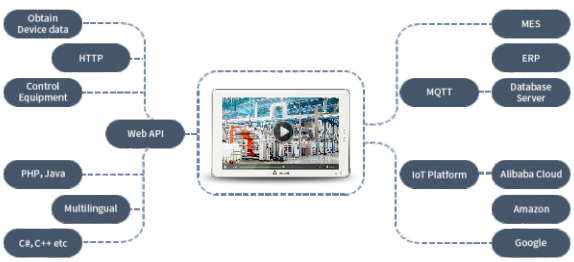
Display Integration

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.



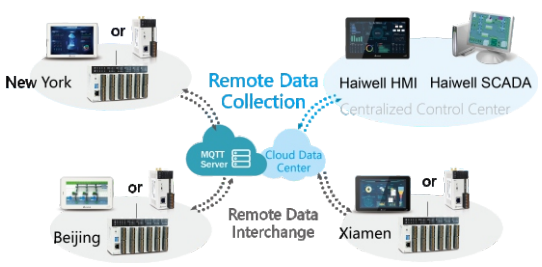
Open Interface

Supports Web API, MQTT, and multiple programming languages. Enables device control via HTTP, integrates with ERP, MES, and third-party IoT platforms, and supports high-concurrency connections.



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.



Voice Broadcast & Intercom

Built-in mic and speaker support bilingual TTS, USB audio, voice alerts, device intercom, group notifications, and mobile remote intercom.



Mobile Scanner

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



RFID/NFC

HMI supports reading RFID tags and NFC recognition, which can be applied to user login and access control.



Satellite Positioning

Support Beidou positioning and trajectory tracking. Users can check the realtime position of devices.



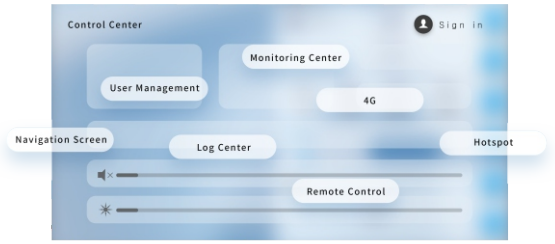
Monitoring & Management

Zero-configuration, auto-discovers and one-click adds cameras. Supports centralized management, alarm recording, and remote monitoring via APP and WeChat Mini Program.



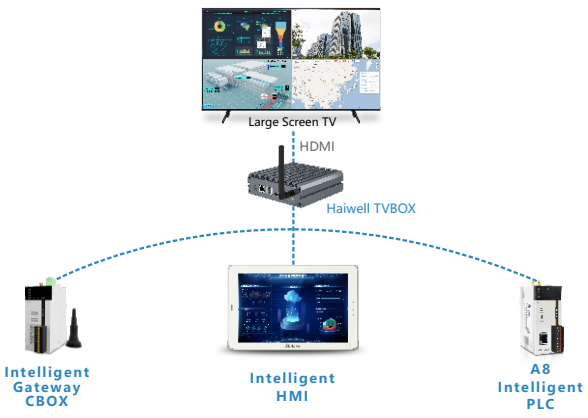
Quick Control

Adjust brightness/volume directly, view network status instantly, swipe to show screen thumbnails and switch screens with one click for higher efficiency.



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.



Specification

Specification		A7	A7 Pro	A10	A10 Pro	A15	A15 Pro
Software	Programming software	Haiwell Cloud SCADA					
Display	Screen size	7"TFT		10.1"TFT		15.6" TFT	
	Resolution	1024x600 pixels		1280x800 pixels		1920x1080 pixels	
	Display color	16.7M				262K	
	Brightness	450 cd/m²		400 cd/m²		350cd/m²	
	Viewing angle	85'/85'/85'/85'		85'/85'/85'/85'		85'/85'/85'/85	
	Touch panel type	Resistance-type				Capacitive-type	
Backlight	Type	LED					
	Life	50,000 hours					
	Auto sleep function	Yes					
Hardware	Flash	8G					
	RAM	512M	1G	1G	1G	1G	1G
	Ethernet port	10/100 Base-T*1	10/100 Base-T*2	10/100 Base-T*1	10/100 Base-T*2	10/100 Base-T *2	
	Serial port	COM1:RS232*1 COM2:RS485*1 COM3:RS485*1					
	USB	USB 2.0 *1	USB 2.0 * 2	USB 2.0 *1	USB 2.0 * 2	USB2.0 * 2	USB2.0 * 2
	RTC	Yes					
Power	Rated input power	24V Dc±20%					
	Power consumption	12W@24V DC	15W@24V DC	13W@24V DC	17W@24V DC	23W@24V DC	
	Power protection	Equipped with surge protection and anti reverse connection protection					
	Withstand voltage	500V AC					
	Insulation resistance	50MΩ @500VDC or more					
Enviroment	Vibration resistance	10 - 25Hz (X.Y and Z axis 2G/30 minutes)					
	Cooling method	Natural wind cooling					
	Storage temperature	-20 ℃~ 70 ℃					
	Operating temperature	-10 ℃~ 60 ℃					
	Relative humidity	10%~ 90%RH (no condensation)					
Structure	Material	Engineering plastic ABS + PC (flame retardant grade)				Engineering plastic + Metal alloy + Glass panel	
	External dimensions	193x120x32mm		260x167x32mm		394x256x45mm	
	Panel cut dimensions	187x114mm (R7mm)		254x161mm (R7mm)		383x245mm (R7mm)	
	Weight	0.8kg		1.1kg		2.5kg	
	Installation	Panel mounting				Panel mounting、VESA(75*75)	
Function	WIFI	Optional (802.11b/g/n)					
	Wireless	Optional (4G)					
	RFID	No	Standard	No	Standard	No	Standard
	Satellite positioning	Optional					
	Microphone	External	Built-in	External	Built-in	External	Built-in
	Speaker	Built-in	Built-in	Built-in	Built-in	Built-in	Built-in
Certification	Certification Type	CE Mark	CE Mark	CE Mark	CE Mark	CE Mark	CE Mark



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Haiwell APP

Haiwell Wechat

The parameters of product are subject to changes without prior notice. (Ver I - 202609)