Haiwell 海为®

F Series Intelligent HMI

HMI

IP67

RFID

13 Highlights

- Dust - and water - proof, coping with complex industrial environments like dust and spraying ensuring stable operation.
- 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 information in HMI.
- Apply to data visualization or centralized control on large screen by TVBOX.
- 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.
- Supports applications such as camera surveillance, RFID/NFC recognition, and more, enabling intelligent utilization across multiple scenarios
- 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	Video Play	Local Camera	WiFi	RFID	Wireless	Hole Size	Dimension WxHxD
F7	7″ 1024x600 HD Full Viewing Angle Display	4G+512M	1+2	Yes	Yes		Yes		193×139mm Chamfer: R3.5mm	198×144×36mm
F7-W		4G+512M	1+2	Yes	Yes	Yes	Yes			
F7-G		4G+512M	1+2	Yes	Yes		Yes	China 4G		
F7-GW		4G+512M	1+2	Yes	Yes	Yes	Yes	China 4G		
F10	10.1″ 1024x600 Full Viewing Angle Screen	4G+512M	1+2	Yes	Yes		Yes		260×202mm Chamfer: R9mm	270×212×36mm
F10-W		4G+512M	1+2	Yes	Yes	Yes	Yes			
F10-G		4G+512M	1+2	Yes	Yes		Yes	China 4G		
F10-GW		4G+512M	1+2	Yes	Yes	Yes	Yes	China 4G		
F15	15.6" 1920x1080 HD Full Viewing Angle Capacitive Screen	8G+1G	1+2	Yes	Yes		Yes		383x245 Chamfer: R7mm	394x256x45mm
F15-W		8G+1G	1+2	Yes	Yes	Yes	Yes			
F15-G		8G+1G	1+2	Yes	Yes		Yes	China 4G		
F15-GW		8G+1G	1+2	Yes	Yes	Yes	Yes	China 4G		

Products Features

The whole body complies with IP67

Dust - and water - proof, coping with complex industrial environments like dust and spraying, ensuring stable operation.

Remote access

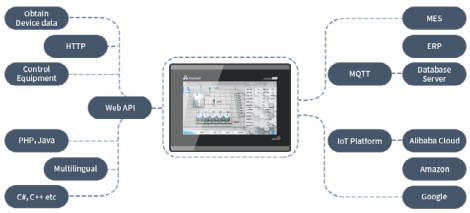
With the real-time control solution developed by Haiwell, concurrent users can remotely access HMI by APP and desktop.

Monitoring & Management

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

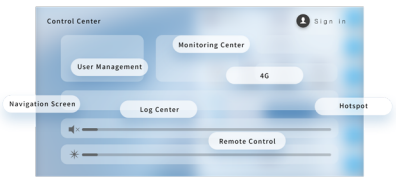
Web API

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



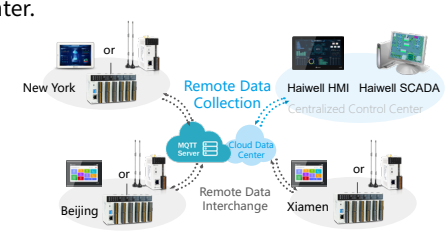
Quick Control

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



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.

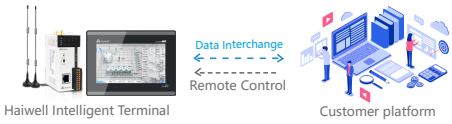


Mobile scanner

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

Display integration

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

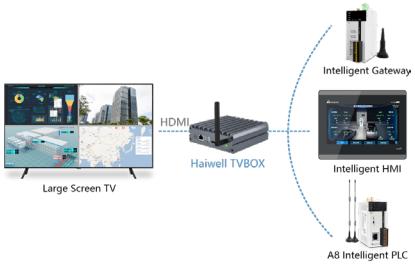


RFID/NFC

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

Digital display board

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



Products Specification

Products Specification		F7	F10	F15
Software	Programming software	Haiwell Cloud SCADA		
Display	Screen size	7 〃 TFT	10.1 〃 TFT	15.6 〃 TFT
	Resolution	1024x600 pixels		1920x1080 pixels
	Color	16.7M		262K
	Brightness	450 cd/m²	400 cd/m²	350 cd/m²
	Viewing angle	85'/85'/85'/85'		
	Touch panel type	Resistance-type		Capacitive Touch screen
Backlight	Type	LED		
	Life	50,000 hours		
	Auto sleep function	Supported, configurable		
Hardware	Flash	4GB		8GB
	RAM	512M		1G
	Ethernet port	10/100 Base-T*1		
	Serial port	COM1:RS232*1 COM2:RS485*1		
	RTC	Built-in RTC		
Power	Rated input voltage	24V DC±20%		
	Power consumption	7W@24V DC	10W@24V DC	23W@24V DC
	Power protection	Equipped with surge protection and anti reverse connection protection		
	Withstand voltage	500VAC		
	Insulation resistance	50MΩ @500VDC or more		
Environment	Cooling method	Natural wind cooling		
	Protection grade	The whole body complies with IP67		
	Storage temperature	-20℃ ~70℃		
	Operating temperature	-10℃ ~ 60℃		
	Relative	10% ~ 90% RH (non-condensing)		
	Vibration resistance	10 - 25Hz (X.Y and Z axis 2G/30 minutes)		
	Operating environment	Dustproof,moisture proof,corrosion resistant,and protected from electric shock and external impact environments		
Structure	Material	Engineering plastic ABS+PC (flame retardant grade)		
	External dimensions (WxHxD)	198x144x36mm	270x212x36mm	394x256x45mm
	Panel cut dimensions (WxH)	193x139mm (R3.5mm)	260x202mm (R9mm)	383x245mm (R7mm)
	Weight	0.8kg	1.3kg	2.5kg
	Installation	Panel mounting		
Function	WIFI	Optional (802.11b/g/n)		
	Wireless network	China 4G		
	RFID	Supported		

海纳百川

诚信有为

XIAMEN HAIWELL TECHNOLOGY CO., LTD.

Headquarters: 13-14/F, C03 Building, Phase III Software Park, Jimei District, Xiamen, Fujian, China
Factory: 4F, No. 336-2, Anbian Nan Road, Torch High-tech Zone (Xiang 'an) Industrial Zone, Xiang 'an District, Xiamen, Fujian, China. 361101
Tel: +86-592-2230312 Hotline: +86-4000-360-362
Email: service@haiwell.com
Website: www.haiwell.com

Haiwell APP

Haiwell Wechat

The parameters of product are subject to changes without prior notice. (Ver I - 202605)