

**Industrial IoT**

Easy Global Networking



## B Series HMI

**Industrial IoT Cloud HMI**

3 in 1 = HMI + IoT Gateway+ DTU

Full fit screen design Cost effective  
New hardware New design



Haiwell APP

**7" / 10.1"**  
16.7M TFT True Color

Meets diversified needs  
IIoT Human Machine Interface

## Model List

Model	TFT Screen	Storage	LAN	USB	COM	Voice	WiFi	Wireless	Hole Size	Dimension W*H*D
B7H	7" 1024*600 HD	4GB + 512M	1	2	2	Yes			193×138mm	200×146×37mm
B7H-G	7" 1024*600 HD	4GB + 512M	1	2	2	Yes		China 4G		
B7H-W	7" 1024*600 HD	4GB + 512M	1	2	2	Yes	Yes			
B7H-E	7" 1024*600 HD	4GB + 512M	1	2	2	Yes		Global 4G		
B10S	10.1" 1024*600	4GB + 512M	1	2	2	Yes			260×202mm	270×212×35mm
B10S-G	10.1" 1024*600	4GB + 512M	1	2	2	Yes		China 4G		
B10S-W	10.1" 1024*600	4GB + 512M	1	2	2	Yes	Yes			
B10S-E	10.1" 1024*600	4GB + 512M	1	2	2	Yes		Global 4G		

## Products 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 voice function, access microphone and loudspeaker via USB, Supported text-to-speech,voice broadcasting,intercom function,innovative device cloud voice.
- Support MQTT protocol. Can be connected to database server/ERP/MES etc.
- Supports remote programming, download, firmware upgrade, debugging etc.
- Management by Haiwell Cloud SCADA .



### 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.



### 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.



### Multiple security protection mechanisms

Higher safety level with A/B Key + local confirmation safety mechanism, ensure the safe and stable operation of equipments.



### Integrated Cloud access & alarm notification

Remote devices can be accessed through Haiwell Cloud APP and website. Supports real-time abnormal alarm notification.



### Support Cloud maintenance for equipment manufacturers

Provide exclusive maintain identity for equipment manufacturers, as well as exclusive enterprise platforms. More convenient for equipment vendors.



### Support data interconnection and distribution

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



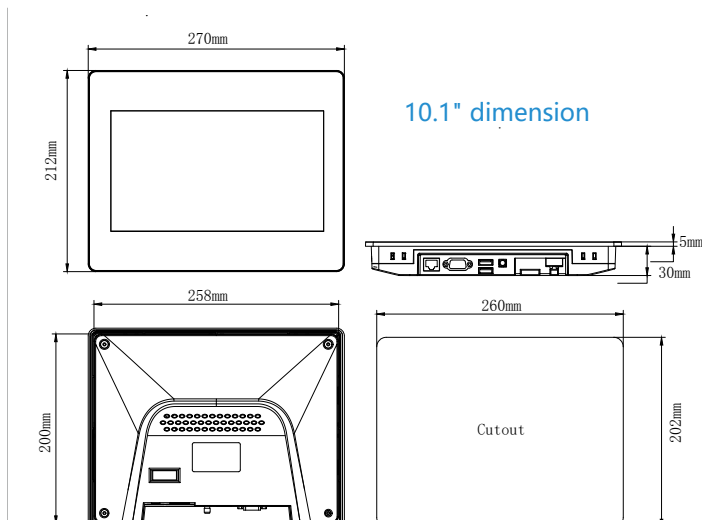
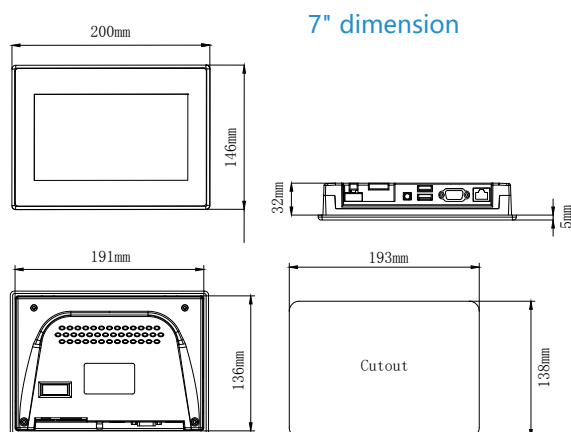
The innovative device cloud voice, support mobile phone remotely intercom and broadcast



## Products Specification

Specification		7"	10.1"
Software	HMI software	Haiwell Cloud SCADA	Haiwell Cloud SCADA
Display	Screen size	7 " TFT	10.1 " TFT
	Resolution	1024x600pixels	1024x600pixels
	Display color	16.7M	16.7M
	Brightness	250 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>
	Touch panel type	Analog resistive film	Analog resistive film
Storage	Flash	4GB	4GB
	RAM	512M	512M
Backlight	Type	LED	LED
	Life	30,000 hours	30,000 hours
	Auto sleep function	Yes	Yes
I/O port	WiFi (optional)	802.11b/g/n	802.11b/g/n
	Wireless network (optional)	4G	4G
	Serial port	RS485/RS232	RS485/RS232
	Ethernet	10/100 Base-T	10/100 Base-T
	USB HOST	USB2.0 x 2	USB2.0 x 2
Power	Rated input voltage	24V DC±20%	24V DC±20%
	Power Consumption	7W@24VDC	10W@24VDC
	Withstand voltage	500VAC	500VAC
	Insulation resistance	Exceed 50MΩ @500VDC	Exceed 50MΩ @500VDC
	Vibration Endurance	10 ~ 25 Hz X, Y, Z direction 2G/30 min	10 ~ 25 Hz X, Y, Z direction 2G/30 min
Enviroment	Cooling method	Natural air circulation	Natural air circulation
	Protection grade	Front: IP65 Rear: IP20	Front: IP65 Rear: IP20
	Storage temperature	-20 ~ 70°C	-20 ~ 70°C
	Operating temperature	-10 ~ 60°C	-10 ~ 60°C
	Relative humidity	10 ~ 90% RH (non-condensing)	10 ~ 90% RH (non-condensing)
Structure	Material	ABS (fire-retardant)	ABS (fire-retardant)
	External dimensions	200x146x37mm	270x212x35mm
	Panel cut dimensions	193x138mm	260x202mm
	Weight	0.8kg	1.3kg
	Installation	Panel mounting	Panel mounting

## Dimension





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Haiwell APP



Haiwell Wechat

The parameters of product are subject to changes without prior notice. (Ver I - 202310)