



7" / 10.1"



B Series Intelligent HMI

12 Highlights

- 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.
- Include intelligent functions such as TTS output, intercom, audio playing 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.
- Swipe down to adjust brightness/volume and check network status instantly, no background access needed.
- No configuration needed. Device centrally manages cloud cameras and auto-captures screenshots/videos on alarms.
- No pre-designed buttons needed. Lists all screens clearly for one-click seamless navigation.

Model List

Model	TFT Screen	Storage	LAN	USB	COM	Voice	WiFi	Wireless	Hole Size	Dimension W*H*D
B7H	7" 1024*600 HD Display	4G+512M	1	2	2	Yes			193×139mm Chamfer: (R3.5mm)	198×144×36mm
B7H-G		4G+512M	1	2	2	Yes		China 4G		
B7H-W		4G+512M	1	2	2	Yes	Yes			
B7H-E		4G+512M	1	2	2	Yes		Global 4G		
B7H-GW		4G+512M	1	2	2	Yes	Yes	China 4G		
B7H-EW		4G+512M	1	2	2	Yes	Yes	Global 4G		
B10S	10.1" 1024*600	4G+512M	1	2	2	Yes			260×202mm Chamfer: (R9mm)	270×212×36mm
B10S-G		4G+512M	1	2	2	Yes		China 4G		
B10S-W		4G+512M	1	2	2	Yes	Yes			
B10S-E		4G+512M	1	2	2	Yes		Global 4G		
B10S-GW		4G+512M	1	2	2	Yes	Yes	China 4G		
B10S-EW		4G+512M	1	2	2	Yes	Yes	Global 4G		

Products Features



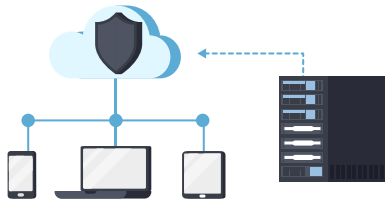
Connection in LAN

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



Device & Data Security

Dual-key review & remote local authentication secure access, data off-cloud, supporting designated server and local/public network deployment.



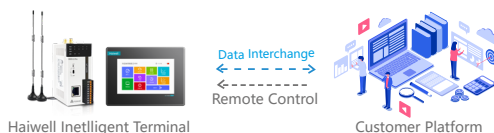
Mobile scanner

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



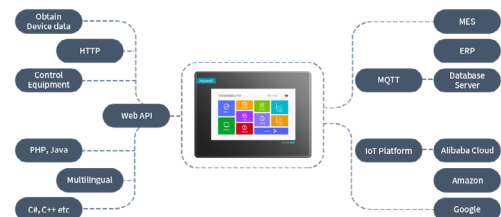
Remote access

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



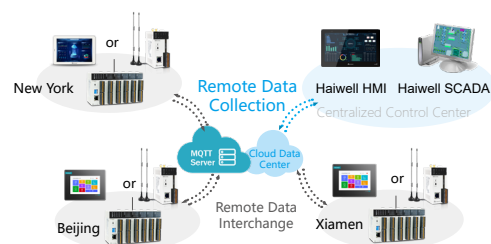
Open Interface

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

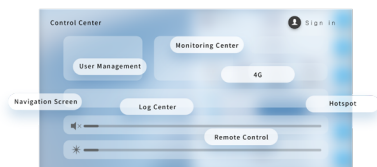
All the data of remote devices can be acquired through MQTT broker for centralized control. Users don't even need to deploy server if using cloud data center.





Quick Control

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



Monitoring & Management

No configuration needed. Supports cloud camera management, alarm recording, and remote monitoring via APP & WeChat Mini Program.



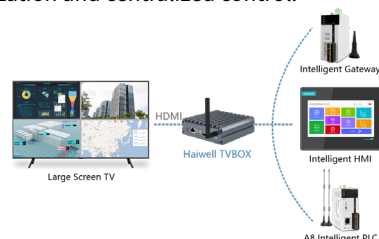
Voice broadcast

All models support text to speech, audio files playing, voice intercom, voice broadcast and remote intercom with APP.



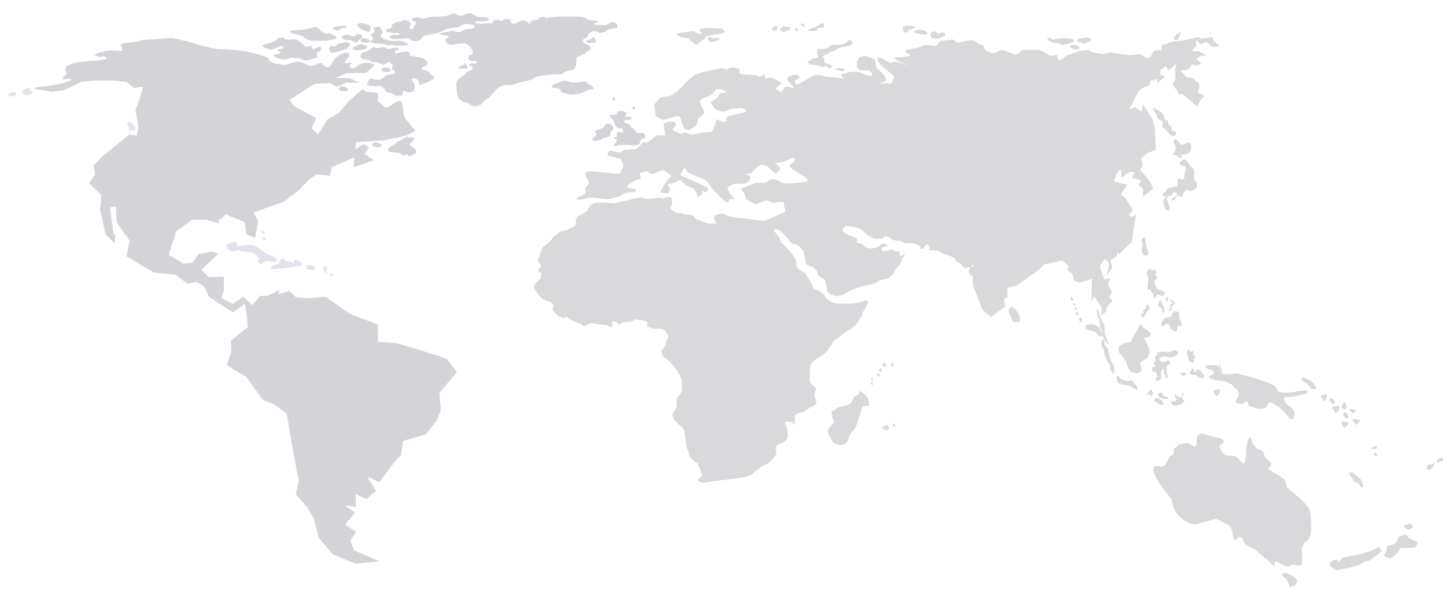
Digital display board

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

Specification		7"	10.1"
Software	Programming software	Haiwell Cloud SCADA	
Display	Screen size	7" TFT	10.1" TFT
	Resolution	1024x600 pixels	
	Display color	16.7M	
	Brightness	250 cd/m ²	
	View available	80°/80°/60°/70°	65°/65°/45°/55°
	Touch panel type	Resistance-type	
Backlight	Type	LED	
	Life	50,000 hours	
	Auto sleep function	Yes	
	Flash	4GB	
Hardware	RAM	512M	
	Ethernet	10/100 Base-T*1	
	Serial port	COM1:RS232*1 COM2:RS485*1	
	USB HOST	USB2.0 *2	
	RTC	Yes	
	Rated input voltage	24V DC±20%	
Power	Power Consumption	7W@24V DC	10W@24V DC
	Power protection	Equipped with surge protection and anti reverse connection protection	
	Withstand voltage	500VAC	
	Insulation resistance	Exceed 50MΩ @500VDC	
	Vibration resistance	10 - 25Hz (X,Y and Z axis 2G/30 minutes)	
	Cooling method	Natural wind cooling	
Environment	Storage temperature	-20°C ~ 70°C	
	Operating temperature	-10°C ~ 60°C	
	Relative humidity	10%~ 90%RH (no condensation)	
	Operating environment	Dustproof,moisture proof,corrosion resistant,and protected from electric shock and external impact environments	
	Material	Engineering plastic ABS+PC(flame retardant grade)	
Structure	External dimensions (WxHxD)	198x144x36mm	270x212x36mm
	Panel cut dimensions (WxH)	193x139mm (R3.5mm)	260x202mm (R9mm)
	Weight	0.8kg	1.3kg
	Installation	Panel mounting	
Feature	WIFI	Optional (802.11b/g/n)	
	Wireless	Optional (4G)	



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Haiwell APP



Haiwell Wechat

The parameters of product are subject to changes without prior notice. (Ver I - 202607)