Haiwell 海为®

Intelligent Gateway HBOX



11 Highlights

Built-in HDMI for direct large-screen connection, low-cost local interaction for workshop & cabinet monitoring.

Download HMI program in gateway and use mobile phone as a monitor.

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, video surveillance 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 gateway, HMI, mobile phone, tablet, computer, TV in local area network.

Enable simple connection between gateway, HMI, mobile phone, tablet, computer, TV and camera over the Internet.

Model List

Model	Storage	LAN	COM	USB	HDMI	Voice	WiFi	Dimension
HBOX	4G + 1G	2	2	1	1	Yes	Yes	40×95×69mm

Products Features

HDMI Local Visualization

Built-in HDMI for direct large-screen connection, ideal for workshop dashboards & cabinet monitoring with low-cost local HMI interaction.



Connection In LAN

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



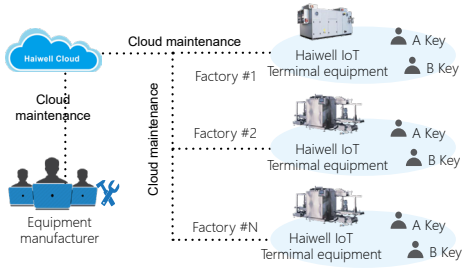
Remote Access

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



Cloud Maintenance

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



IoT Platform

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



Currently suppored IOT platforms. Keep updating...

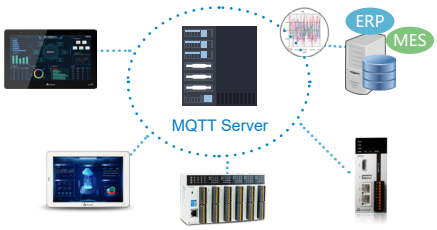
Secure Access

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



MQTT Protocol

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



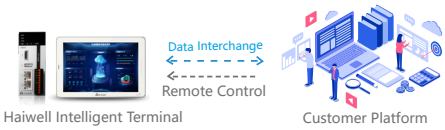
Data Security

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



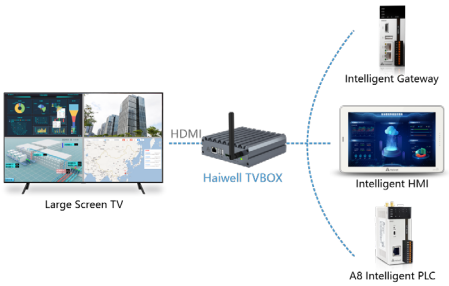
Display Integration

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.



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.



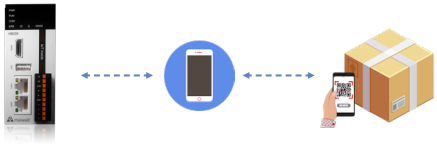
Voice Broadcast

All models can connect with microphone and speaker by USB to audio adapter and support text to speech, playing audio files, voice intercom, voice broadcast and remote intercom with APP.



Mobile Scanner

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



Products Specification

Specification		HBOX
software		Haiwell Cloud SCADA
Display	Flash	4GB
	RAM	1GB
	Serial port	COM1:RS232*1 COM2:RS485*1
	Ethernet port	10/100 Base-T*2
	High-Definition Multimedia Interface	HDMI*1
	USB	USB 2.0*1
	RTC	Built-in RTC
Power	Rated input power	24V DC±20%
	Power consumption	8.5W@24V DC
	Power protection	Equipped with surge protection and anti reverse connection protection
	Withstand voltage	500V AC
	Insulation resistance	50MΩ @500VDC or more
Enviroment	Storage temperature	-20℃ ~70℃
	Operating temperature	-10℃ ~60℃
	Relative humidity	10%~ 90%RH (no condensation)
	Cooling method	Natural wind cooling
	Vibration resistance	10 - 25Hz (X.Y and Z axis 2G/30 minutes)
	Impact resistance	15G, 11ms, 6 times in each of X,Y or Z direction
Structure	External dimensions (WxHxD)	40mm*95mm*69mm
	Material	Engineering plastic ABS + PC (flame retardant grade)
	Installation	Guide rail
Function	WIFI	Support 802.11b/g/n

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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

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