Haiwell 海为®

Haiwell Cloud

Non-Screen Intelligent HMI with IO Points

Small Box, Great Ability



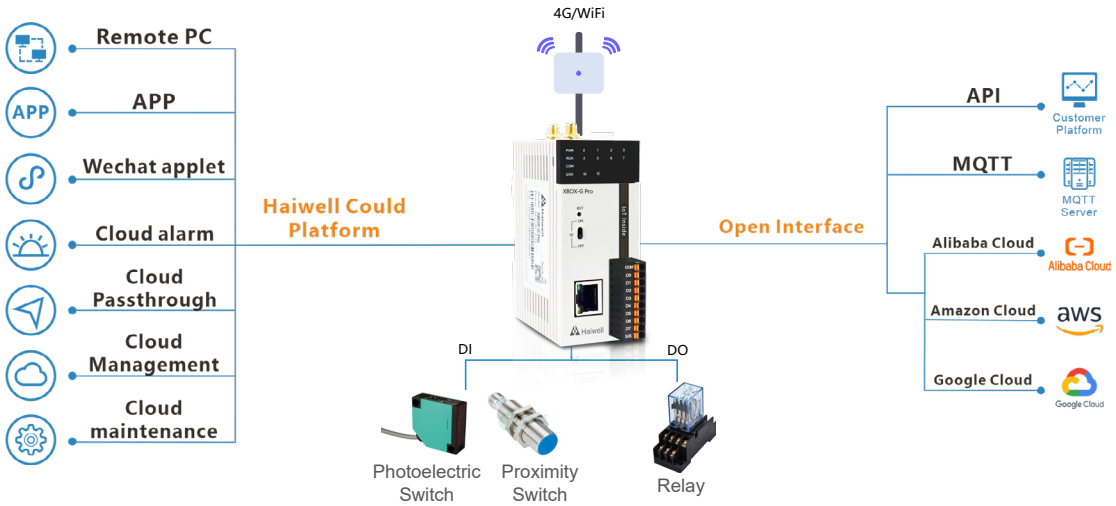
Intelligent Gateway XBOX

10 Highlights

- Download HMI program in gateway and use mobile phone as a monitor.
- Enable simple connection between gateway, HMI, mobile phone, tablet, computer, TV and camera 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 diaplay 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.
- Provide 8-channel configurable digital I/O.
- Enable simple connection between gateway, HMI, mobile phone, tablet, computer, TV and camera in local area network.

Model List

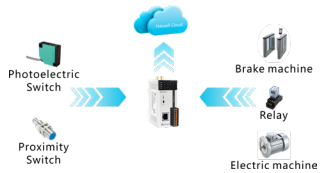
Model	Storage	I/O	LAN	COM	Local Camera	Satellite Positioning	WIFI	Wireless Network	Dimension W×H×D
XBOX	4G + 512M	8 DI	1	1	Yes		Yes		40×95×69mm
XBOX-G	4G + 512M	8 DI	1	1	Yes		Yes	China 4G	
XBOX-GP	4G + 512M	8 DI	1	1	Yes	Yes		China 4G	
XBOX-E	4G + 512M	8 DI	1	1	Yes		Yes	China 4G	
XBOX-EP	4G + 512M	8 DI	1	1	Yes	Yes		Global 4G	
XBOX Pro	4G + 512M	8 DI/DO, User-defined	1	1	Yes		Yes		40×95×69mm
XBOX-G Pro	4G + 512M	8 DI/DO, User-defined	1	1	Yes		Yes	China 4G	
XBOX-GP Pro	4G + 512M	8 DI/DO, User-defined	1	1	Yes	Yes		China 4G	
XBOX-E Pro	4G + 512M	8 DI/DO, User-defined	1	1	Yes		Yes	Global 4G	
XBOX-EP Pro	4G + 512M	8 DI/DO, User-defined	1	1	Yes	Yes		Global 4G	



Features

Digital I/O

XBOX provides 8-channel configurable digital I/O



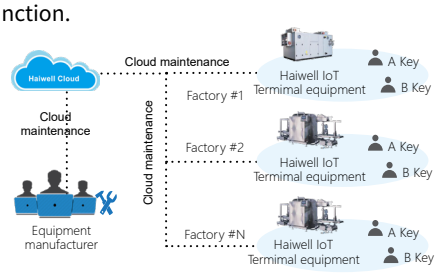
Connection in LAN

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



Cloud maintenance

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



Use mobile phone as a monitor

Users can use mobile phone, tablet and desktop as a monitor to control gateway.



Remote access

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



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.



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.



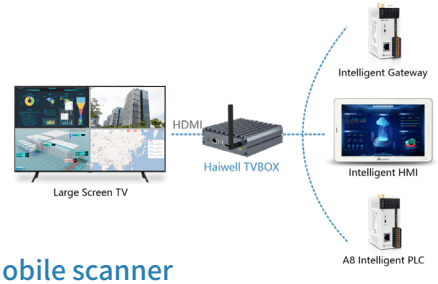
IoT platform

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

Currently suppored IOT platforms. Keep updating...

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.



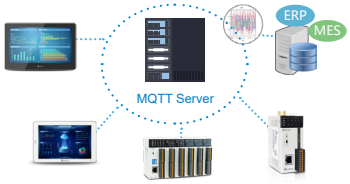
Mobile scanner

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



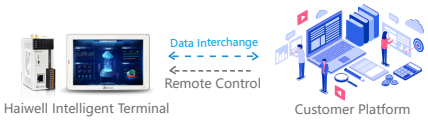
MQTT protoco

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



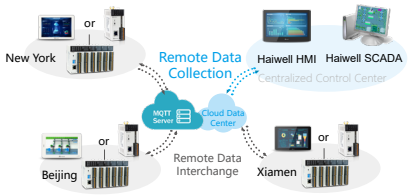
Display integration

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.



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 authentication

The identity of operator can be verified recognition or scanning a QR code with mobile phone.



Specification

Specification		XBOX	XBOX-G	XBOX-GP	XBOX-E	XBOX-EP	XBOX Pro	XBOX-G Pro	XBOX-E Pro	XBOX-EP Pro	XBOX-GP Pro
Software		Haiwell Cloud SCADA									
Hardware	Flash	4GB									
	RAM	512MB									
	Serial port	RS232/RS485*1									
	Ethernet Port	10/100 Base-T*1									
	Switch S0	Single pole double throw									
	Digital I/O	8 photoelectric isolated digital inputs					8 configurable photoelectric isolated digital I/O				
	RTC	Yes									
Power	Rated input power	24V DC±20%									
	Power Consumption	5W@24V DC									
	Power protection	Equipped with surge protection and anti reverse connection protection									
	Voltage Resistance	500V AC									
	Voltage Resistance	Exceed 50MΩ @500VDC									
Enviroment	Storage temperature	-20℃ ~70℃									
	Operating temperature	-10℃ ~60℃									
	Relative humidity	10%~ 90%RH (no condensation)									
	Cooling method	Natural wind cooling									
	Vibration Endurance	10 ~ 25 Hz X, Y, Z direction 2G/30 min									
	Impact resistance	15G, 11ms, 6 times in each of X,Y or Z direction									
Structure	External dimensions	40mm*95mm*69mm									
	Material	Engineering plastic ABS + PC (flame retardant grade)									
	Installation	DIN rail mounting									
Function	WIFI	Yes		No	Yes	No	Yes	Yes	Yes	No	No
	Wireless	No	China 4G		Global 4G	Global 4G	No	China 4G	Global 4G	Global 4G	China 4G
	Satellite Positioning	No		Yes	No	Yes	No	No	No	Yes	Yes

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Haiwell APP

Haiwell Wechat

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