# Haiwell 海为®

## Non-Screen SmartLink HMI with IO Points
## Small Box, Great Ability

MQTT Server

**XBOX-G Pro**

IoT Inside

**XBOX**

IoT Inside
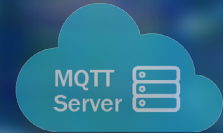
# SmartLink Gateway XBOX

# 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 in local area network.
- 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.

# Model List

| Model | Storage | I/O | LAN | COM | WIFI | Wireless Network | Dimension (mm) w×h×d |
|---|---|---|---|---|---|---|---|
| XBOX | 4G + 512M | 8 DI | 1 | 1 | Yes | | 40×95×65 |
| XBOX-G | 4G + 512M | 8 DI | 1 | 1 | Yes | China 4G | |
| XBOX-E | 4G + 512M | 8 DI | 1 | 1 | Yes | Global 4G | |
| XBOX Pro | 4G + 512M | 8 DI/DO, User-defined | 1 | 1 | Yes | | 40×95×65 |
| XBOX-G Pro | 4G + 512M | 8 DI/DO, User-defined | 1 | 1 | Yes | China 4G | |
| XBOX-E Pro | 4G + 512M | 8 DI/DO, User-defined | 1 | 1 | Yes | Global 4G | |
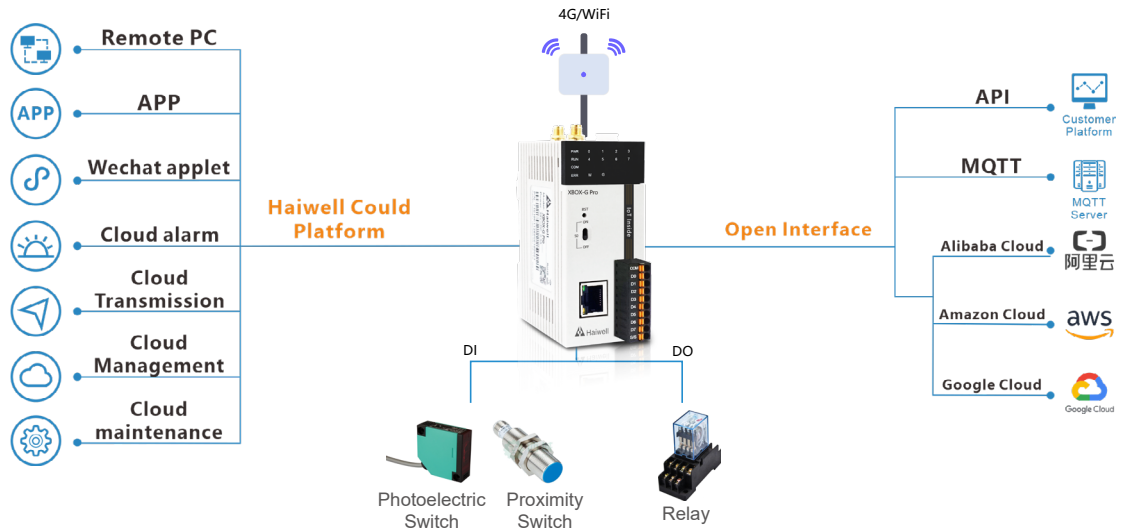


# Features



## 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.
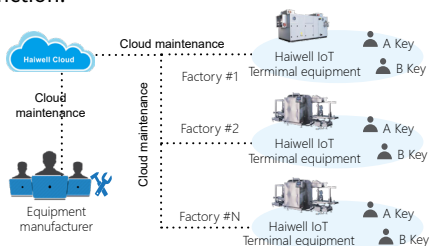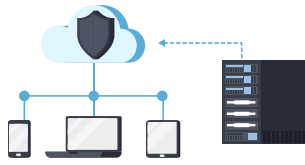
## Secure access

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.

## MQTT protoco

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

## IoT platform

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

Currently supported IOT platforms. Keep updating...
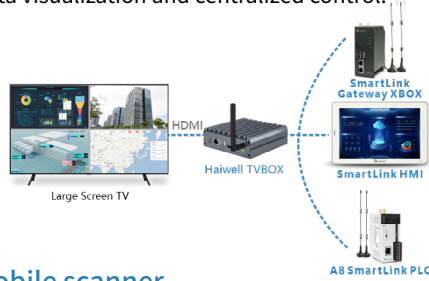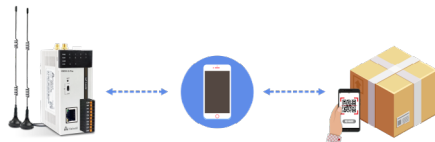
## Display integration

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.

Haiwell SmartLink Terminal

Data Interchange

Remote Control

Customer platform

## Digital display board

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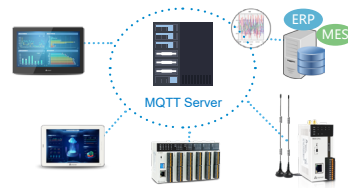
HDMI

Large Screen TV

Haiwell TVBOX

SmartLink Gateway XBOX

SmartLink HMI

A8 SmartLink PLC

## 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.

or

New York

Remote Data Collection

Haiwell HMI   Haiwell SCADA

Centralized Control Center

MQTT Server   Cloud Data Center

or

Beijing

Remote Data Interchange

or

Xiamen

## Mobile scanner

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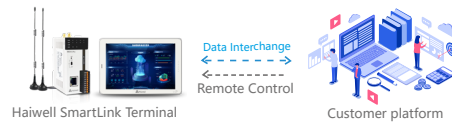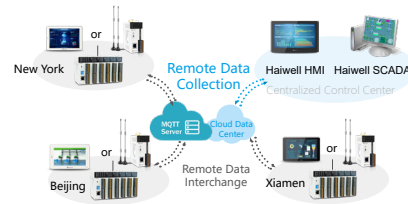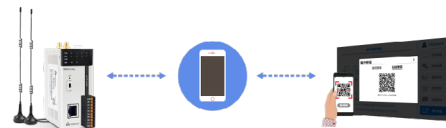
## Mobile authentication

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

# Specification

| Specification | | XBOX | XBOX 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 | Surge protection and anti-reverse protection | |
| | Voltage Resistance | 500V AC | |
| | Voltage Resistance | Exceed 50MΩ @500VDC | |
| Enviroment | Storage temperature | -20~70℃ | |
| | Operating temperature | -10~60℃ | |
| | Relative humidity | 5~95%RH，(non-condensing) | |
| | Cooling method | Natural air circulation | |
| | 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 | |
| | Operating environment | Prevention of dust, moisture, corrosion,electric shock and external | |
| Structure | External dimensions | 40mm*95mm*65mm | |
| | Material | ABS and PC (flame-retardant) | |
| | Installation | DIN rail mounting | |
| Feature | WIFI | Optional (802.11b/g/n) | |
| | Wireless | Optional (4G) | |

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: wwww.haiwell.com

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