

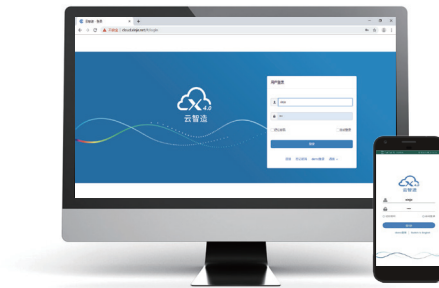
Xinje Cloud

No programming | no professional skills | create an exclusive IOT platform

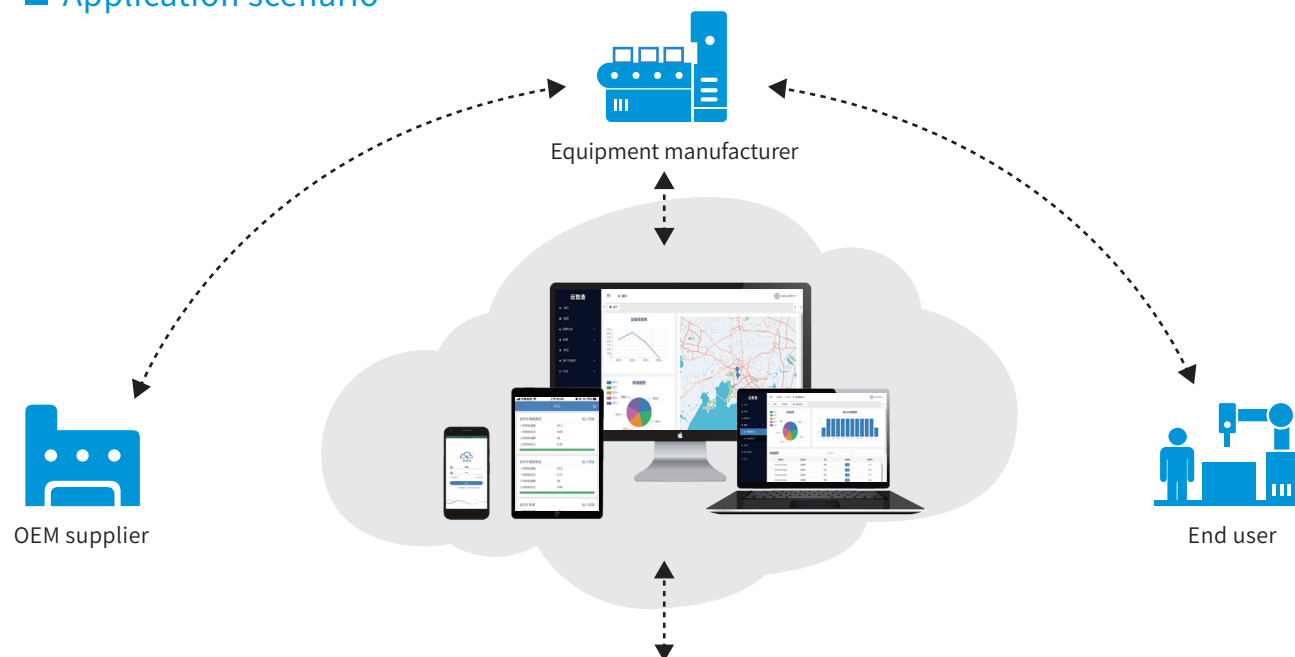
Industrial informatization solutions

Xinje Cloud is an industry application platform for remote data acquisition based on years of deep cultivation in the industry and extensive product applications. Its functions include: device access, device management, data storage, graphic configuration, data display, data analysis, user management and other parts. It supports the simultaneous monitoring of PC and mobile app.

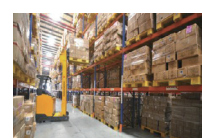
The platform is free of programming and software installation. Without professional skills, it can quickly realize the connection between products and systems and create an exclusive IOT platform. At any time, the remote data monitoring, parameter setting and function control of the equipment can be realized through web and app.



Application scenario



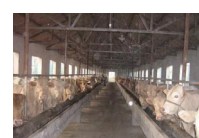
Smart agriculture



Warehousing logistics



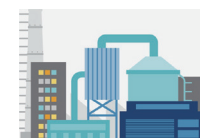
Energy management



Animal husbandry



Smart home



Manufacturing



Equipment fault remote diagnosis and real-time monitoring



After sales reliability maintenance of equipment, such as after-sales maintenance of air compressor



Ensure the authenticity of test and detection equipment data, such as lithium battery test



Smart city construction, such as sewage treatment, waste recycling, cold storage



Smart agriculture, smart home, smart RV and other industries

Cloud V4.2.6

Overall upgrade | New functions | New experience



Remote VNC Function

Cloud-screen synchronization, enabling flexible and efficient remote control.



Alarm push

Supports SMS alarm push, app push, official account push.



Maintenance work order

Work order creation and distribution, closed-loop management of equipment operation and maintenance.



Data Analysis

Historical data, report analysis, customizable tables.



Permission management

User management, multi-level permission assignment.



Integration with Third-Party Systems

Provides interfaces for HTTP, MQTT, and other protocols, supports integration with MES, ERP, and other systems.



Cloud recipe distribution

Recipe customization, multiple methods of remote distribution.



Staging management

Staging tasks, machine locking upon expiration, convenient management.



SIM Card Management

Centralized management of IoT cards, convenient query/recharge/invoicing.



Personalized Customization

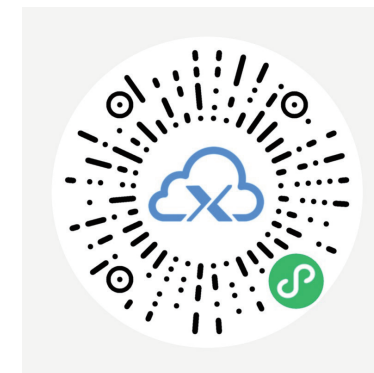
Supports local deployment of cloud platform, provides customized services.

Multiple login methods for quick registration

Add Wechat applet Cloud or scan the QR code below

Focus on Wechat official account, click Cloud menu, download app according to mobile phone system.

The PC side accesses the website <http://cloud.xinje.net/> through the browser, enters the login interface, and quickly registers through the mobile phone number to log in the Cloud platform.

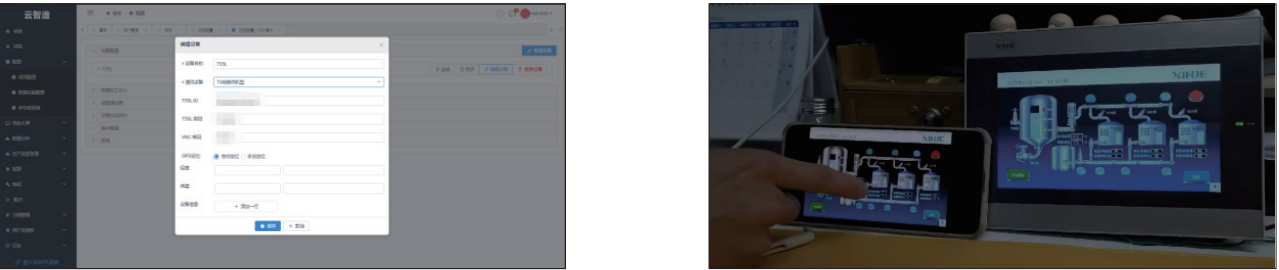


Cloud V4.2.6

■ TS5 system HMI access

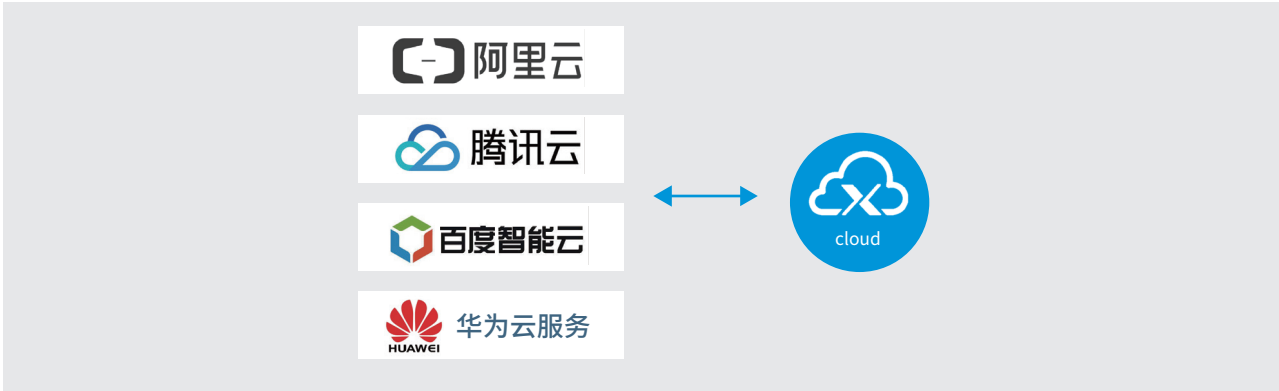
VNC Cloud and HMI synchronization control

TS5 IoT model is added to the platform access equipment, which supports VNC remote control, cloud HMI synchronization, and more flexible control.



Server deployment

The Xinje Cloud local inheritance deployment supports self-built servers and public cloud deployment. Cloud can be ported to the client's own server, we can provide customized services. Customers can build their own servers or rent third-party servers such as Alibaba cloud, Tencent cloud and Huawei cloud.



Self-built server:users need to build their own computer room, network deployment and purchase server hardware. Xinje does not provide hardware purchase, hardware installation or debugging services.The reference configuration of Xinje cloud deployment environment is shown in the following table:

Self-built server	
CPU	Intel E5 and up
Memory	8GB
Hard disk	500GB
Bandwidth	Fixed IP bandwidth 10M and up
System environment	Windows Server 2016 and above

Public cloud deployment: 188.take Alibaba cloud server as an example. It is connected to about 200 devices. The recommended configurations are as follows:

Public cloud deployment	
CPU	4-core
Memory	8GB
Hard disk	500GB
Bandwidth	5M
System environment	Windows Server 2016 and above

XDATA

“Data-Chart” Interconnection, Empowering Intelligent Manufacturing

What is XDATA?

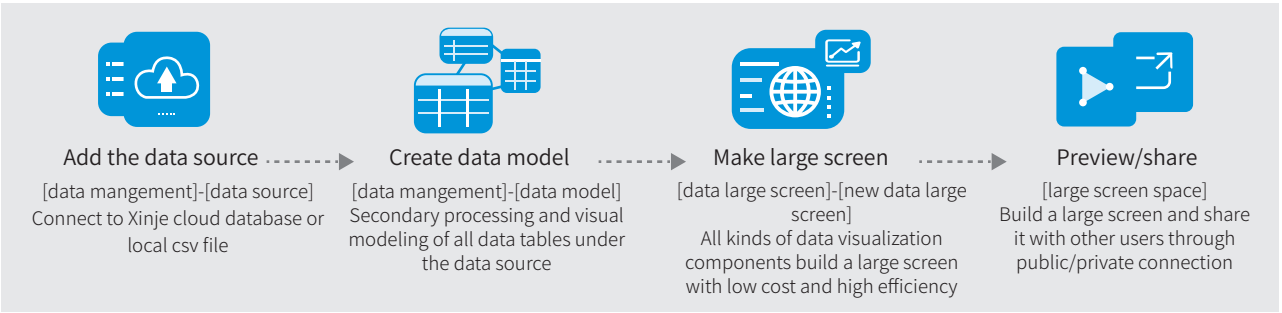
XDATA (xdata.xinje.net) is a quick BI and data visualization tool platform launched by Xinje. It adopts BS architecture and is committed to solving the problems of data BI analysis and visualization on large screen and liberating the development manpower of data visualization system.

Data visualization through XDATA is more convenient and fast. Users don't need any programming foundation. They just need to drag and drop, which saves a lot of programming work.

| Advantages of XDATA

- Direct data source**
Support direct connection Xinje SQL to get cloud data, uploading local Excel/csv file or connect the data through API. It can complete multi-source interaction analysis.
- Drag and drop editing**
Use the visual editor, what you see is what you get, drag and drop to generate a visual page, so that you can easily edit without writing code.
- BI self service analysis**
Both the report and the large screen support data table modeling, dragging fields to bind data, as well as flexible interaction such as filtering, drilling and linkage, so that you can easily conduct in-depth data mining.
- Rich charts**
Provide 30 + Echarts visualization charts based on Xinje cloud and 10 + filtering components, support professional GIS visualization and custom icon effects, and fully meet your diversified visualization needs.
- Cool big screen**
We integrate BI report and large screen functions, and provide multiple sets of cool large screen templates, guiding users to quickly build an intelligent data dashboard.
- Authority control**
Enterprise organization level management, including project space isolation, role and user-based authorization mechanism, flexible setting of resource operation authority and data authority, so as to fully ensure your data security.

| How to use XDATA



A-BOX series

ALL in one

Full coverage of 4G, WIFI, Ethernet, Powerful functions



| Function features

Various Internet access modes



Support 4G, WIFI, Ethernet modes to access Internet. It is equipped with 4G routing function, supports WiFi, Ethernet port equipment to access the Internet.

Support Remote Transparent Transmission & Data Monitoring



In the remote transparent transmission mode, it supports the function of upload/download programs for PLC, HMI and other devices. In the data monitoring mode, it supports more devices to access the cloud platform to realize data remote monitoring.

Stronger compatibility and support multiple device access



Support Siemens, Mitsubishi, Omron and other mainstream brands PLC. Support industrial control equipment to access through serial port, Ethernet port and USB port to realize networking communication between various devices. Support multiple serial communication modes: RS232, RS485, RS422. Support MQTT, OPC DA, Modbus TCP Server, etc.

Humanized design, easy to use



Long lasting online, with disconnection redial and watchdog functions. Support GPS and base station assisted positioning. Support Modbus-TCP Server, easy to be networking. Support two-way read-write function and machine locking function. Support MQTT protocol and message caching function.

| Application scenario



After sales service of remote equipment



HVAC refrigeration



Manufacturing



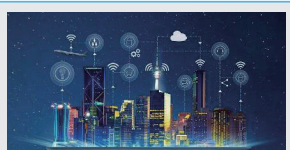
Warehousing logistics



Smart agriculture, breeding



Sewage disposal



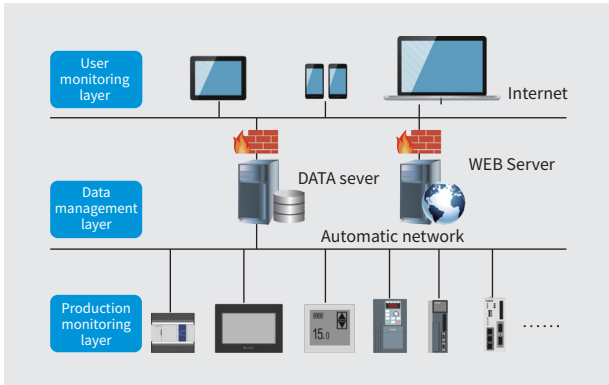
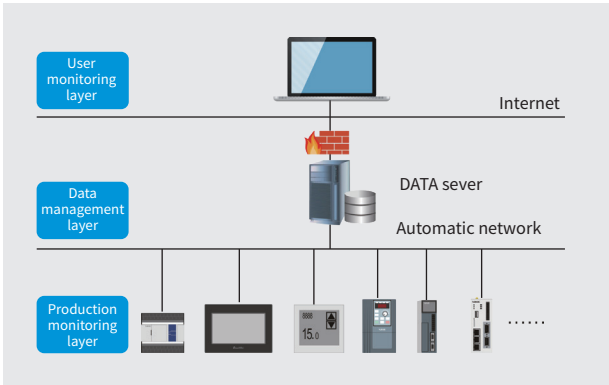
Smart building



Power monitoring

| Network topology

■ Achieve remote monitoring and program upload/download for controllers via ABOX

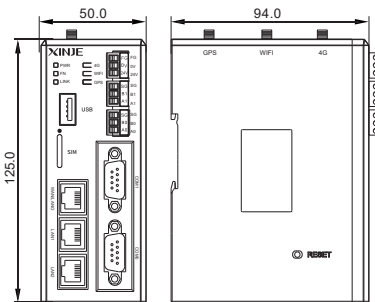


| Specifications

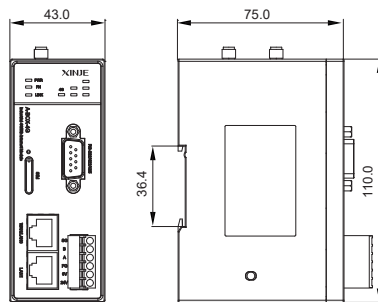
Model	A-BOX	A-BOX-U	A-BOX-4G	A-BOX-W
COU	MT7628			
FLASH	16MB SPIF FLASH			
RAM	128MB			
Working voltage	DC2V, allowed range is DC21.6V~26.4V			
Installation method	Standard guide rail installation			
4G module	EC20-CE		EC200N-CN	
4G operating frequency band	GSM/GPRS:900,1800MHz EDGE:900,1800MHz UMTS:CDMA2000 (B0) 、WCDMA (B1, B8) 、TD-SCDMA (B34, B39) LTE:FDD (B1, B3, B8) TDD (B38, B39, B40, B41) GNSS:GPS, GLONASS			
WIFI operating frequency band	2.4GHz		2.4GHz	
Ethernet	Three 10/100M adaptive ports		Two 10/100M adaptive ports	
COM port	COM0:RS232/RS485 COM1:RS232/RS485/RS422		COM:RS232/RS485/RS422	
USB port	USB Host interface			
Internet access mode	4G/WIFI/Eth	4G/WIFI/Eth	4G/Eth	WIFI/Eth
Serial port transparent transmission	✓	✓	✓	✓
Ethernet port transparent transmission	✓	✓	✓	✓
USB transparent transmission	--	✓	--	--
GPS positioning	✓	✓	--	--
Data monitoring	✓	✓	✓	✓

| Dimension (Unit: mm)

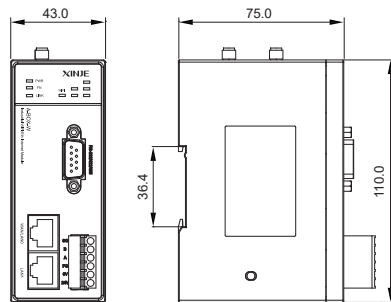
A-BOX (-U)



A-BOX-4G



A-BOX-W



S-BOX-HT

Protocol free, ultra short distance transmission

The S-BOX-HT series wireless transparent transmission module is a short-range wireless communication module based on wireless RF technology. The equipment data is transmitted transparently and supports the controller brands including Xinje, Delta, Mitsubishi, Omron, PPanasonic etc. It is widely used in field equipment networking communication and wireless HMI communication to realize short-distance wireless communication of automation system. The supporting wireless HMI model is MTG765-HT.



Support equipment

XINJE

MITSUBISHI ELECTRIC

OMRON
欧姆龙

DELTA 台达
中达电通股份有限公司

Panasonic

FATEK®

Product features

Carrier frequency rang

The radio frequency module S-BOX-HI is based on 433MHz Carrier Frequency Band, and the farthest communication distance can reach 2km

Rich interface modes

Support RS232, RS485, RS422, can connect various brands of PLC

Multi-channel optional

84 channels are available, which can be adjusted by users according to the actual situation on site

Communication parameters

Serial port parameters can be set according to different PLC

Multi-section adjustable speed

In order to meet the needs of on-site transmission distance, the air rate (4800~62500bps) can be adjusted conveniently through external dialing

I/O mode

Short distance calling and answering can be realized through I/O mode

Application scenario



Container information management



Wireless meter reading, wireless sensor



Power high temperature and high voltage monitoring



Automatic data acquisition



Industrial control, telemetry, remote sensing



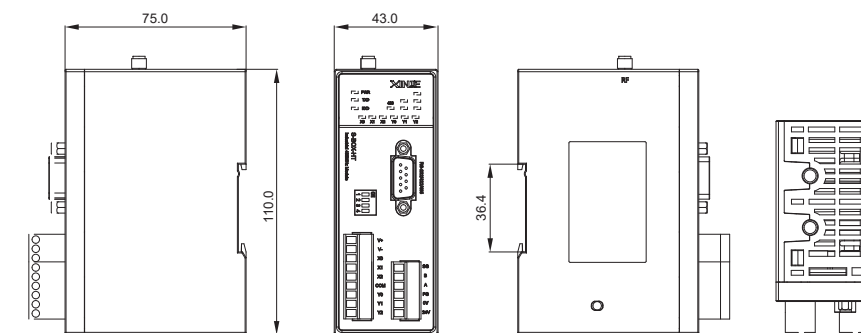
POS system, asset management



Building community automation and security

Dimension (Unit: mm)

S-BOX-HT



IOT card

IOT card is a special flow card provided by telecom operators for the Internet of things. It adopts the special signal segment and special network element equipment of the Internet of things, which has the characteristics of safer and more efficient communication.

Xinje IOT card is applicable to all Xinje gateway products of 4G communication. It can provide functions such as querying the binding information of IOT card serial number, IOT card renewal, traffic usage, order invoicing and so on.



Product features



Basic service

IOT card supports China mobile, China telecom and China unicom telecom operators, and the basic traffic package is 2G/12G every year



Exclusive card number

Click on a single device and the SIM card information of a single device will be displayed. The card does not belong to Xinje account name cannot be queried



Flow alarm

The threshold of flow can be set. When the remaining flow drops to the threshold, an alarm can be sent through SMS or software



Renewal query

When the balance in the card is insufficient, you can recharge/renew it, with a variety of plans to choose from.



Invoice center

Users can query the recharge status of the card in the management tool and issue invoices



Batch query

Users can check the binding relationship between the gateway and the card number/ICCID, card status, network status and flow usage on the SIM card management page



Machine card binding, directional IP

When the card is inserted and activated, it can be bound with the equipment. Replace the equipment and stop the card to ensure the safety of the equipment. Exclusive orientation, access to Xinje server only



Scope of use

Go through in China, please consult us for other regions

Application scenario



Sewage disposal



Smart agriculture



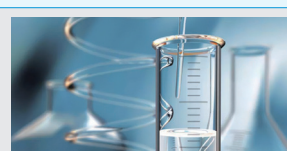
Remote meter reading



Sluice management



Equipment positioning



Water quality monitoring



Smart city

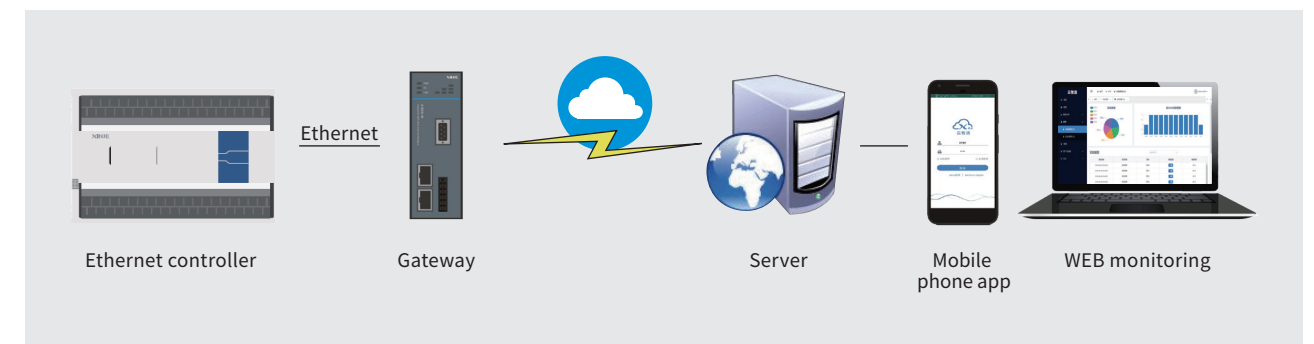


Mechanical heavy industry IoT

Distributed multi-site operation and maintenance solution

Traditional distributed site operation and maintenance commonly faces problems such as difficult equipment management, high reliance on personnel, and data silos., Xinje combined with modern sensing technology, automatic control technology, network transmission technology, data information and so on, launched a multi-site operation and maintenance solution. The solution integrates data acquisition, remote monitoring, intelligent alarms, equipment control, operation and maintenance management, data traceability, and BI analysis into a centralized management system. This effectively achieves the core objectives of unattended operation and cost reduction with increased efficiency.

Currently, the solution has been widely applied in multiple fields such as, smart agriculture, breeding and animal husbandry, water valve monitoring, fog pile monitoring, salt farm management, HVAC station management, etc.



Xinje Cloud application



Multiple background variables

The same screen can be used for the control of multiple stations to reduce the difficulty and workload of screen structure. All field devices can be listed on the left and click switch to view the status of each station.



Combined control

Combined with the operation habits of on-site users, it provides the function of secondary structure screen, and implements the combined control of remote operation and local operation. It is simple and easy to understand, and the operators can learn it as soon as they learn. There is no hardware conflict between local and remote.



Multi-screen monitoring

On the same page, the on-site operation environment of multiple stations can be monitored at the same time through the SCADA and camera.



Intelligent early warning

Real time monitor the key indicators. Abnormal alarm has alarm prompts of web page voice, mobile phone messages, WeChat official account and so on. Remote operation of equipment and remote reset can be done.



Multilevel management

Realize the distribution management of equipment by region or personnel, and realize the management stations of mobile phone, computer and applet.



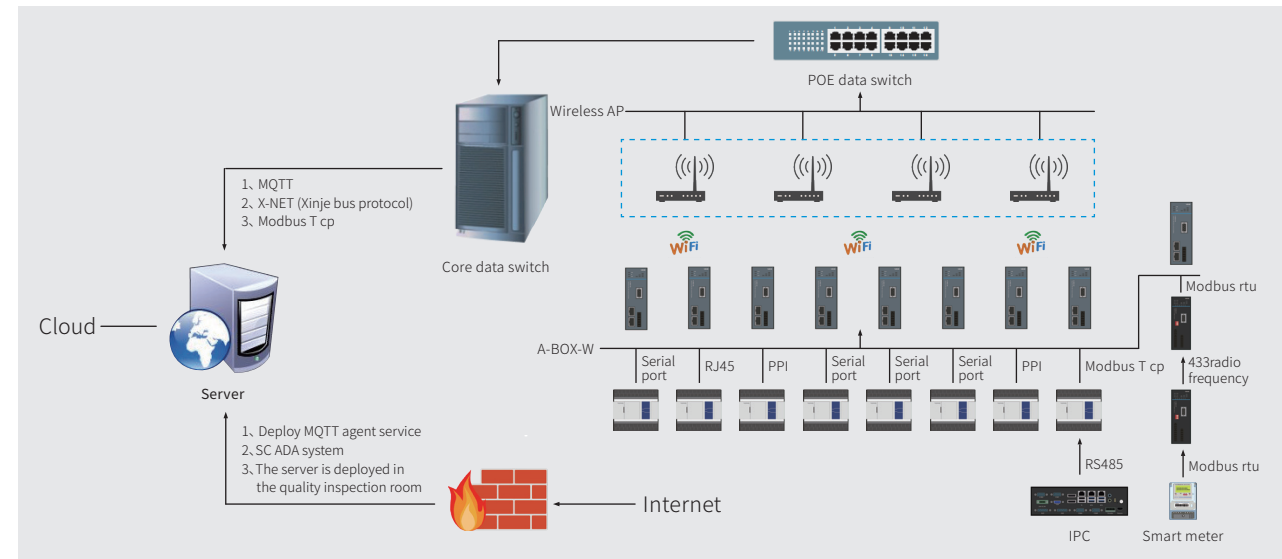
Standard protocol

It can provide the third party with data of equipment operation, maintenance, processing results and so on, including on-site collected data,



Workshop multi-equipment centralized operation and maintenance management scheme

Precisely associate devices with specific production lines, and the system automatically counts device data per line. Accurately track and compare the output data of each line, integrate equipment and production performance, and identify high-efficiency, high-quality production lines to support lean management.



| Xinje Cloud application

 Device management

Precisely associate devices with specific production lines, and the system automatically counts device data per line. Accurately track and compare the output data of each line, integrate equipment and production performance, and identify high-efficiency, high-quality production lines to support lean management.

 Production Capacity Analysis

Create, edit, and save project tasks. Subsequently, based on custom distribution conditions, distribute the projects to machines and save key information.

Operation and Maintenance Management

Create and maintain equipment maintenance plans. Generate repair work orders upon failure, track the entire handling process, forming a traceable closed loop.

 Task Dispatch

Support the creation, editing, and storage of project tasks. Users can preset dispatch rules, and the system automatically dispatches tasks as work orders to specified devices, recording key process data for later traceability.

 Data monitoring

Customize data dashboards, integrate with real-time video, achieving centralized monitoring and flexible presentation of various production line equipment status.

Alarm Records

Immediate fault alarms, automatic data recording, in-depth analysis of downtime causes, precise bottleneck identification, building an improvement loop from passive response to active optimization.



04 Servo System

DS6 High-performance Servo | DS5□2 General-purpose Servo
DM6C Multi-axis Servo Drive | DL6 Direct-drive Servo
iMF5N Integrated Low-voltage Servo Drive | MS6 Motor

