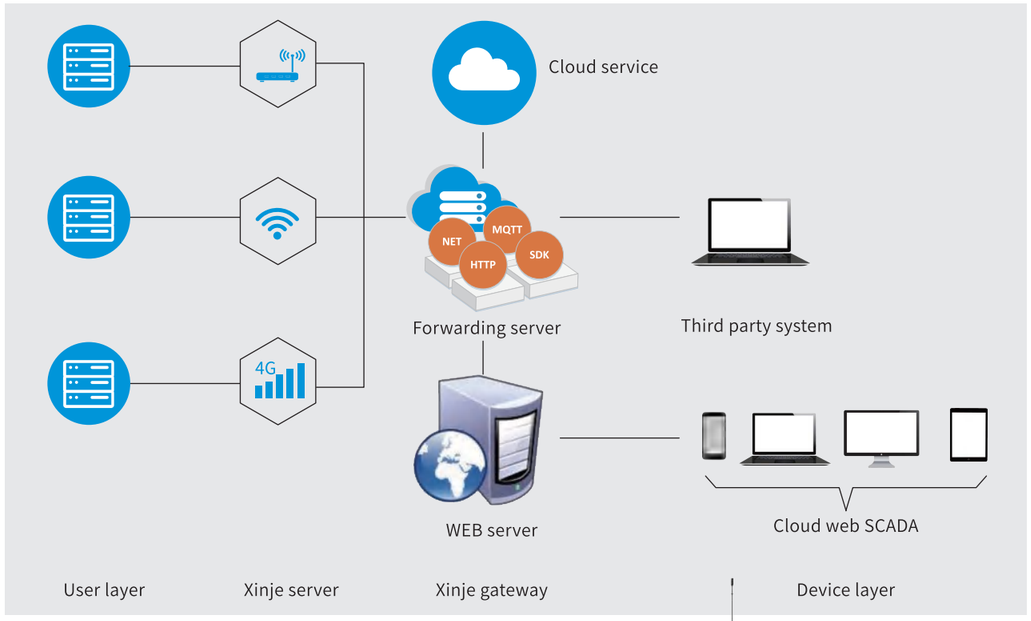
Industrial informatization

Xinje Cloud Web SCADA Cloud intelligent manufacturing·XDATA

Ethernet Gateway products 4G · WIFI · Protocol free transparent transmission

Industrial informatization and development process

Industrial informatization is the continuous integration of various acquisition, control sensors or controllers with sensing and monitoring capabilities, as well as mobile communication, intelligent analysis and other technologies into all links of the industrial production process, so as to greatly improve the manufacturing efficiency, improve the product quality, reduce the product cost and resource consumption, and finally promote the traditional industry to a new stage of intellectualization.



Industrial informatization and development process

Development process of Xinje information products

Xinje has attached great importance to the R&D and application of industrial Internet since its inception. It has been more than 10 years since it first launched the network module G-BOX in 2008.

2008
The first network module was released

10 years +
R&D and application

5 types
Network modules

One
Xinje Cloud

100+ Industry applications

Up to now, Xinje industrial informatization products have been successfully applied in hundreds of subdivided industries, such as sewage treatment, kitchen waste, textile, agriculture, manufacturing, medical equipment and so on.

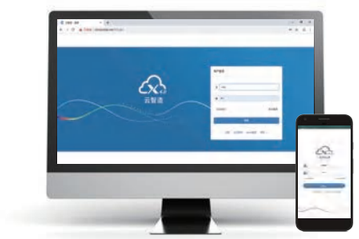
Sewage treatment · Kitchen waste · Textile · Agriculture · Medical equipment

- 2008-2010
  - G-BOX released
  - T-BOX released
- 2012-2014
  - Xinje Cloud 1.0 online
  - SBOX released
- 2016-2017
  - 4GBOX released
  - WBOX released
  - Xinje Cloud 2.0 online
- 2018
  - ABOX released
  - Xinje Cloud 3.0 online
- 2019
  - Xinje Cloud 4.0
  - A-BOX series products released
- 2020
  - Cloud 4.1 online
- 2021
  - S-BOX-HT released
  - XDATA online
- 2022
  - Cloud 4.2 online

Xinje Cloud

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

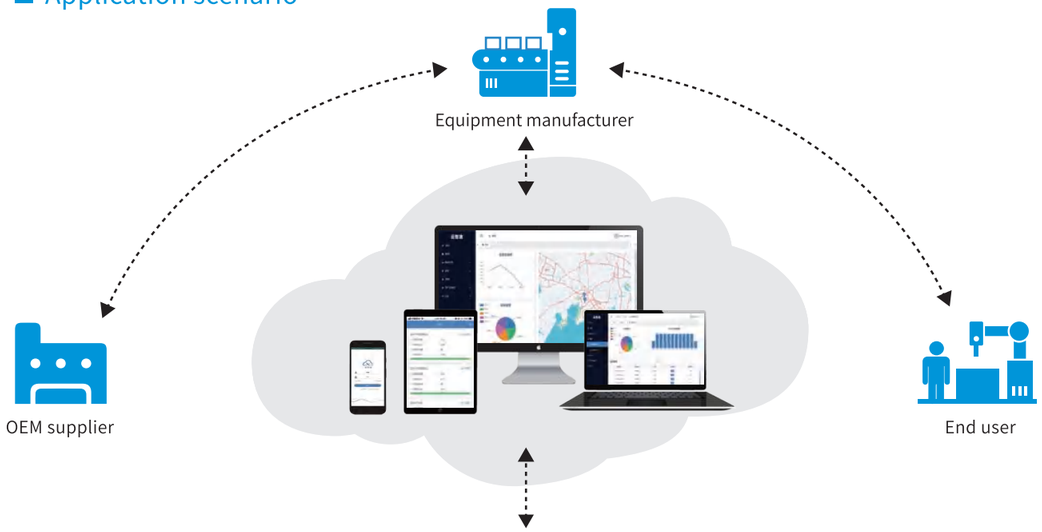
Industrial informatization solutions



inje 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

Overall upgrade | New functions | New experience

ompared with the 4.1 platform, Cloud 4.2 introduced the concept of physical model based on the unchanged platform framework to make equipment management more convenient, and more functional modules further enable enterprise production.

Data processing center
Secondary data development, data point binding, and more convenient equipment replacement

Rich external interfaces
Provide X-NET SDK, HTTP, MQTT and other protocol interfaces

VNC function
Cloud and HMI synchronization, flexible and efficient control

Personalized customization
Support local deployment of Cloud platform and provide customized services

Data analysis
Historical data, conditional collection, data report

Alarm push
Support app alarm, SMS alarm, official account push

Self-service report
Chinese-style report, fast construction

Staging management
Installment task, lock machine when due, easy to manage

Recipe distribution
Automatic management and automatic distribution

Production management
Task formulation, assignment and progresstracking

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

Excellent graphic SCADA and interface configuration

The main information is displayed on the large screen, which is intuitive and clear

The home page can display the online rate, alarm statistics, equipment positioning and other information of all equipment on the platform.

Rich graphical SCADA tools, easy to use

Support web page graphic SCADA, display device data more vividly, support independent interface design of PC and mobile terminal, make management more convenient, provide rich system library and support user-defined library management.

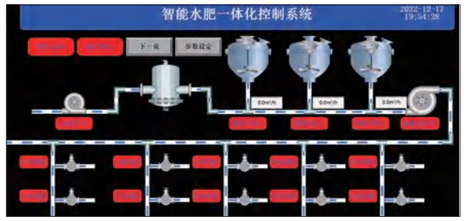
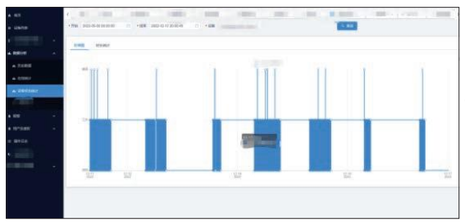


Chart display effect optimization

The equipment status statistics are displayed in the form of Gantt chart. The status duration is more intuitive. Click the linkage interaction in the chart to accurately view the start and end time of each equipment status.

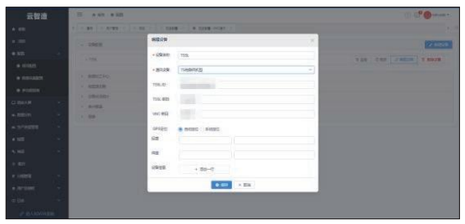


After optimization

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.



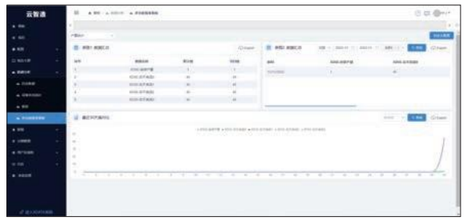
Multi-functional data report

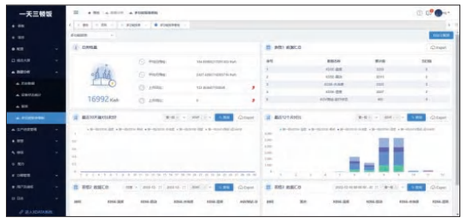
Flexible data acquisition mode

Statistics method: daily statistics, time period statistics, support register accumulation, register clearing storage methods.

Report chart custom configuration

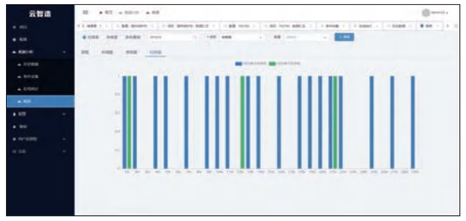
The form is simple in style, diverse in type, simple in configuration, and supports the export of form or image.





Automatic production report generation

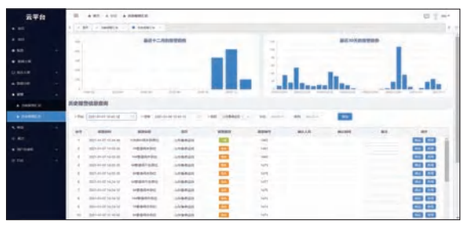
Time interval and multiple data query methods are supported.
The report data supports the comparison of daily, monthly and annual output of different products.
Support multiple forms of table, curve, histogram and pie chart. The table can be exported to Excel.



Historical data, conditional acquisition, data query

Strong data analysis ability

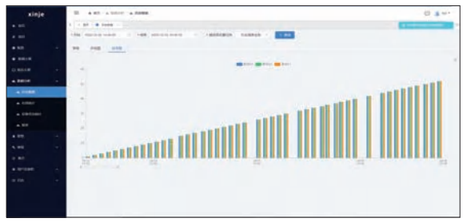
Rich data forms: histogram, line chart, pie chart, etc. Massive data chart analysis, real-time grasp of equipment operation.



Cloud V4.2

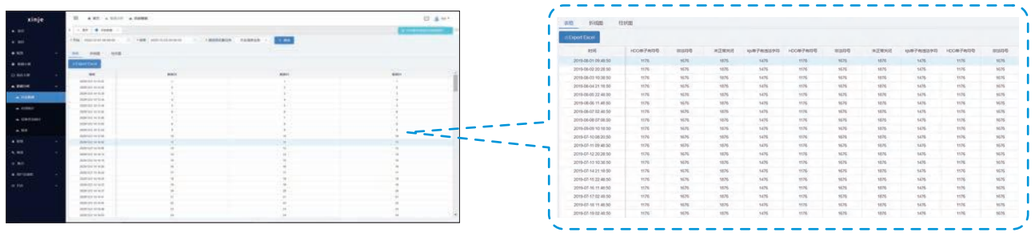
Historical data, conditional acquisition, data query

95.The data storage conditions are free and flexible, the data are stored according to the user-defined cycle and the logical conditions.
Rich forms of historical data, including histogram, line chart, table, etc.

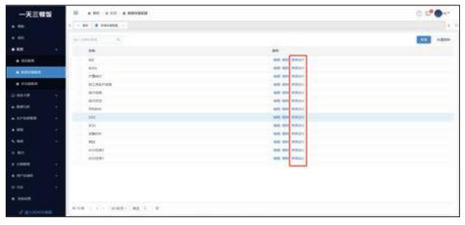


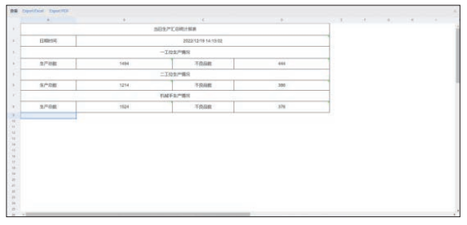
Support data query by time period, realize data traceability, and lay the foundation for big data analysis.

The data in the table can be exported as Excel format.



Custom table design function, supporting table or PDF format export

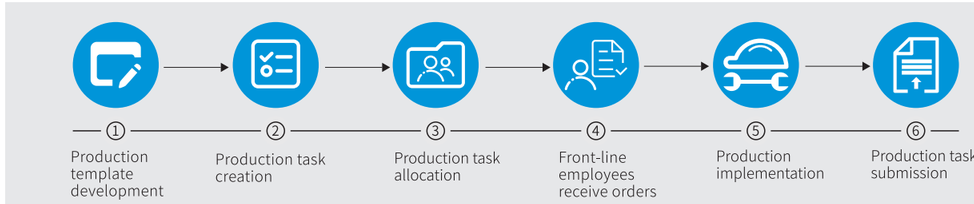




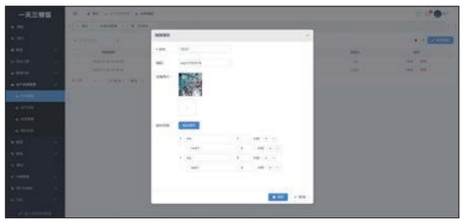
Production schedule management system

Perfect production task process

It has a complete production task process from production template formulation to production task submission, which provides solutions for customers to replace paper production tasks, and improves production efficiency and profitability of enterprises.



Add a production parts list to the task template, and set the estimated production time.

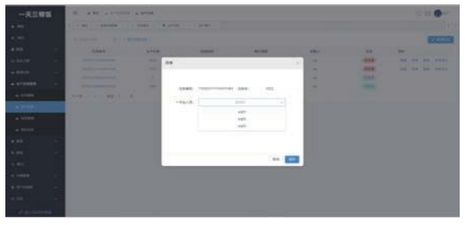


Multiple production templates can be used as production plans in production tasks.

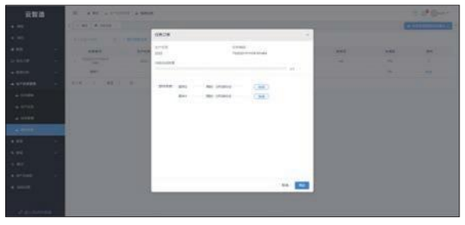
Task management

In the process of MO order flow, the task node is automatically recorded, and the order table can be customized and edited, and can be exported to Excel for order traceability.

The production task can be assigned.



Manage individual orders and report task completion.

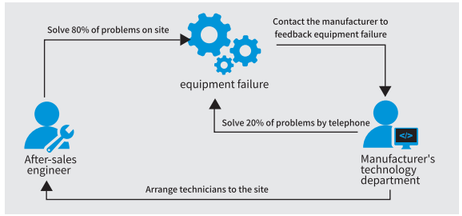


Cloud V4.2

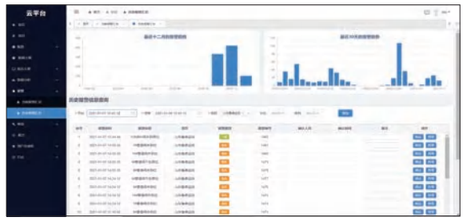
Perfect after-sales management and maintenance

Equipment fault alarm reminder

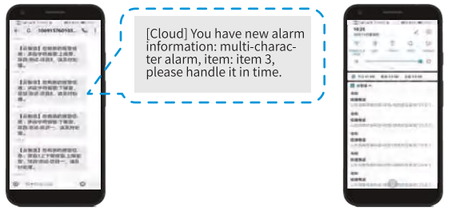
The alarm logic can be set, the alarm level can be set, and the data to be collected for the alarm solution and alarm occurrence can be associated with the alarm point to provide the scheme and parameter analysis.
Alarms can also be associated with the work order system to generate corresponding equipment work orders in case of major alarms.



Support real-time alarm and history query.



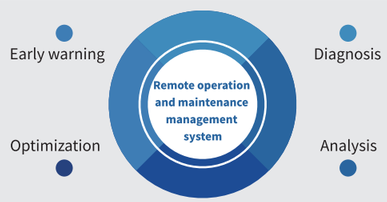
Support mobile app push and SMS alarm



Support to bind Xinje official account to push alarm

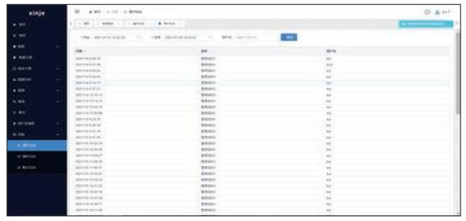
After sales operation and maintenance system

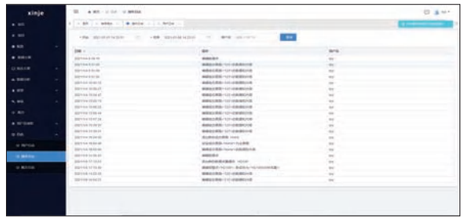
130.The equipment manufacturer timely obtains the service life, abnormal operation and other information of vulnerable parts and generates the business information system, which not only provides solutions for customers to replace the traditional manual management, improves the business service level, but also provides an accurate information system for enterprise after-sales service and improves the profitability.



Log management

During the operation of the system, the user log will be generated according to part of the operation status, operation records, recipe distribution, so as to ensure the safety and integrity of the log. It also provides the function of querying according to the operation time, operation content and the success or failure of recipe distribution, records the user login and logout time, and traces the use condition.





Multilevel access management

User management

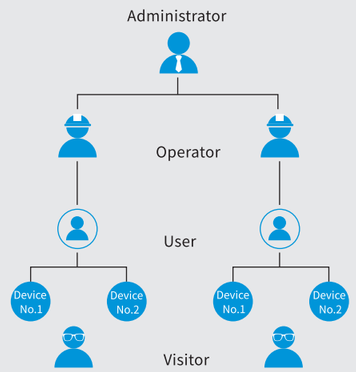
Manage the information of all sub -users under the account and assign user roles.

Role management

Role permission assignment

149.Different roles access control and division can meet all permissions of different roles and solve the problem of customer assignment.

Administra	Can view all devices, operate on all devices and assign permissions
Operator	Can edit equipment data, add equipment, graphic SCADA and other operations
User	Only can view and monitor the devices
Visitor	Only can view the device without any operation authority

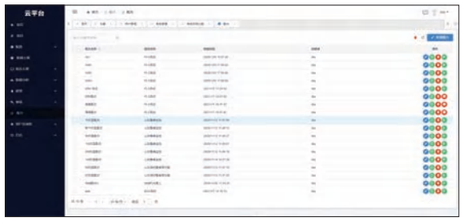


Cloud V4.2

Remote recipe automatic distribution

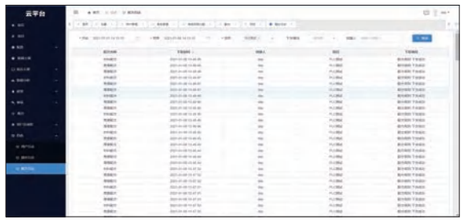
Recipe parameter database storage

The equipment operation parameters are stored in the cloud database, and the database backup is encrypted to avoid the loss of original data.



Log will record the success or failure of distribution, which is convenient for traceability management.

Log will record the success or failure of distribution, which is convenient for traceability management.



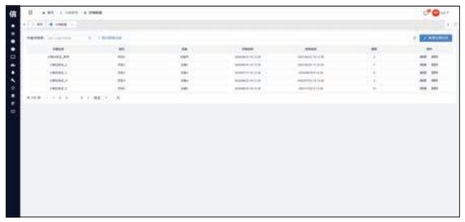
Flexible recipe distribution

The recipe distribution method is flexible. Select any recipe parameters stored in the database, distribute them according to the specified time, and send them to the address area specified by the equipment according to the logical conditions.

System management by instalment

System management by instalment

The platform supports phased management. You can set phased tasks through the platform, automatically lock the device, and unlock the device on the web and mobile terminals.



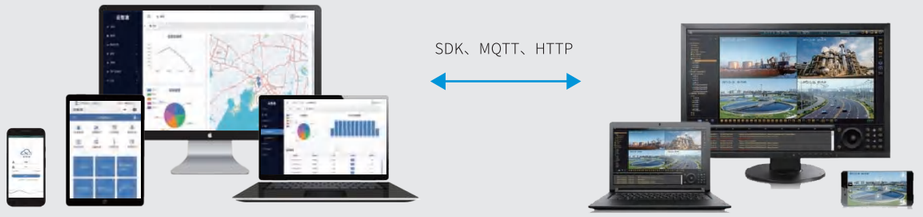
Open and personalized services

Video monitoring

It supports third-party video access, and can synchronously monitor the on-site environment, equipment operation status and other information on the web and mobile terminals.

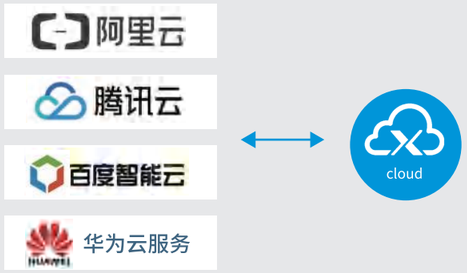
Support access to third-party platforms

Xinje SDK, MQTT, HTTP protocol interfaces can realize the following functions:
The third-party platform can obtain the equipment data in real time and operate the equipment remotely. Verify different modules and distinguish different sites through the ID and password.



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. 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	200GB
Bandwidth	Fixed IP bandwidth 10M and up
System environment	Windows Server 2012 R2

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	2-core
Memory	4GB
Hard disk	40GB
Bandwidth	2M
System environment	Windows Server 2012 R2

XDATA

“Data figure” connection enables the intelligent manufacturing

What is XDATA?

XDATA 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.

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.

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.

Cool big screen

We integrate BI report and large screen functions, and provide multiple sets of cool large screen templates, so that you can quickly build a large screen with a sense of science and technology.

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.

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

Add the data source
[data mangement]-[data source]
Connect to Xinje cloud database or local csv file

Create data model
[data mangement]-[data model]
Secondary processing and visual modeling of all data tables under the data source

Make large screen
[data large screen]-[new data large screen]
All kinds of data visualization components build a large screen with low cost and high efficiency

Preview/share
[large screen space]
Build a large screen and share it with other users through public/private connection

Rich hardware product support

Xinje XC/XD series PLC, HMI, market mainstream brand models can access Xinje cloud through 2G/4G/WIFI/Ethernet modes.

Flexible networking modes

Wireless		Wired	Wireless or wired optional
4G	WIFI		
XD-4GBOXL-ED	XD-WBOX-ED	T-BOX	T-BOX
4G-BOX	W-BOX	Ethernet series PLC	Ethernet series PLC

Product model selection

Product series	Networking mode	Support devices					Wireless or wired optional
		XC	XD	HMI	Modbus RTU	Other brands PLC	
A-BOX	4G\WIFI\Ethernet	√	√	√	√	√	Serial port, Ethernet device upload/download program, remote monitoring
A-BOX-U	4G\WIFI\Ethernet	√	√	√	√	√	Serial port, Ethernet/USB device upload/download program, remote monitoring
A-BOX-4G	4G、Ethernet	√	√	√	√	√	Serial port, Ethernet device upload/download program, remote monitoring
A-BOX-W	WIFI、Ethernet	√	√	√	√	√	Serial port, Ethernet device upload/download program, remote monitoring
4G-BOX	4G	√	√	√	√	×	Upload/download program, remote monitoring, text message
XD-4GBOXL-ED		×	√ *1	×	√	×	Upload/download program, remote monitoring, text message
WBOX-L	2.4Hz WIFI	√	√	√	√	×	Upload/download program, LAN networking
XD-WBOXL-ED		×	√ *1	×	×	×	Upload/download program, LAN networking
T-BOX	Ethernet	√	√	√	√	×	Upload/download program, LAN networking
S-BOX-HT	433MHz	√	√	√	√	×	Wireless networking, wireless HMI
XD5E/XDME/XDH	Ethernet	×	√	√	√	×	Upload/download program, LAN networking
XL5E/XLME	Ethernet	×	√	√	√	×	Upload/download program, LAN networking
XG2	Ethernet	×	√	√	√	×	Upload/download program, LAN networking

*1: Firmware version V3.4.5 and up is required.

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, and the Internet mode can be switched adaptively.

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.

Two working modes

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.

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

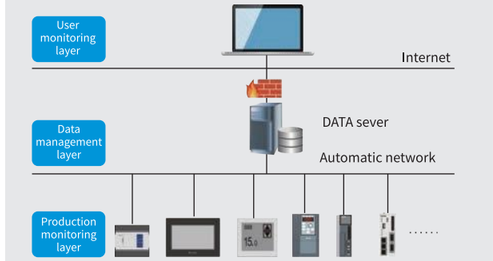

Sewage disposal


Smart building

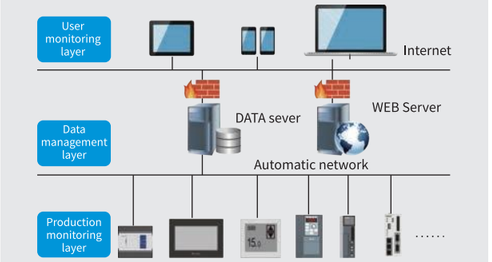

Power monitoring

Network topology

■ Realize the remote management of the equipment through the remote transparent transmission function



■ Remote monitoring of equipment through cloud platform

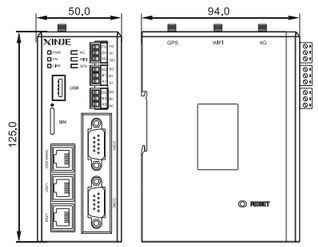


Specifications

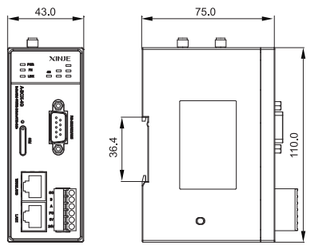
Model	A-BOX	A-BOX-U	A-BOX-4G	A-BOX-W
COU	MT7628			
FLASH	16MB SPIF FLASH			
RAM	128MB			
Working voltage	DC2V, allowed range is DC21.6V~26.4V			
Installation method	Standard guide rail installation			
4G module	EC20-CE		EC200N-CN	--
4G operating frequency band	GSM/GPRS:900、1800MHz EDGE:900、1800MHz UMTS:CDMA2000(BC0)、WCDMA(B1、B8)、TD-SCDMA(B34、B39) 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)

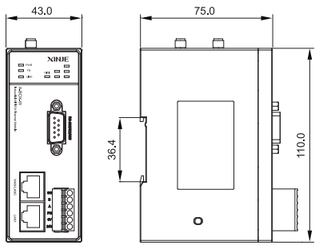
A-BOX (-U)



A-BOX-4G



A-BOX-W



4GBOX series

4GBOX series products are wireless data communication modules based on the operator's network, which are widely used in the automation system with XD or XC series PLC to realize the remote wireless monitoring of the automation system.

Monitoring modes

SMS | XCPpro or XDP pro software | Website | APP | ……

Module models and supported device (Modbus, X-NET)

Device information	Network modules	Online programming	Online monitoring	Others
XC	4G-BOX	Support	Support	Provide host computer development interface
XD (V3.4.5 and up)	XD-4GBOXL-ED	Support	Support	
Modbus RTU	4G-BOX	Not support	Support	

Product features

4G/3G
Supported telecom operators: China Mobile, China Unicom and China Telecom

Roaming function
Support international roaming, frequency band refers to the manual

GPS positioning
Support GPS positioning

Persistent online
Support disconnection redial and watchdog

Status flag
Module operation information, signal strength, SIM card binding multiple status flags

Monitoring function
With SMS data monitoring function

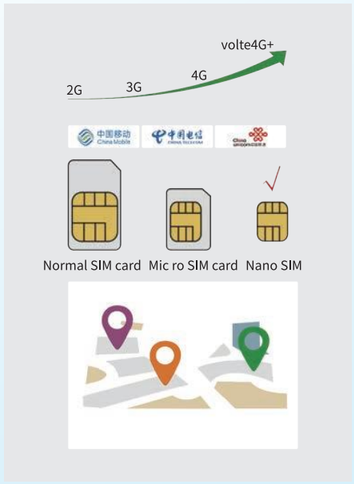
Serial port type
Support RS232C/RS485 serial port connection mode

Power supply
DC24V power supply

SIM card
Nano SIM card

Connector
Standard SMA connector

Antenna
Standard high gain data antenna



Application scenario


After sales service of remote equipment


Kitchen waste treatment

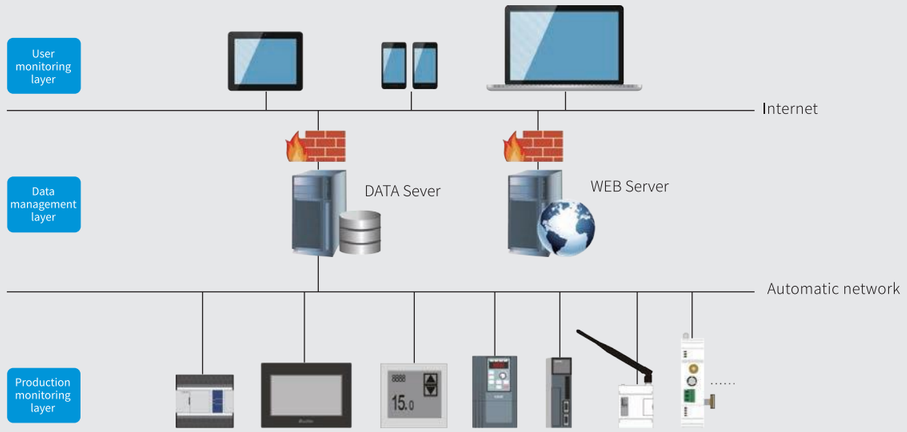

Power monitoring


Smart agriculture, breeding


Sewage disposal

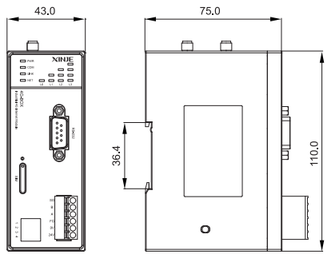

Smart building

Typical network topology

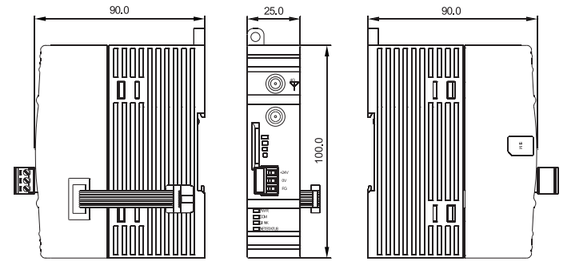


Dimension (Unit: mm)

4G-BOX



XD-4GBOXL-ED



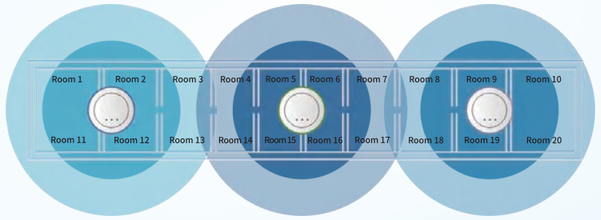
WIFI module

WIFI module is a wireless data communication module based on WLAN technology. It supports X-NET and Modbus-RTU protocol equipment. The wireless terminal provides X-NET and Modbus TCP protocols. It is widely used in automation system with XC and XD series PLC to realize wireless monitoring and scheduling of automation system.

Module models and supported devices (Modbus, X-NET)

Device information	Network modules	Online programming	Online monitoring	Others
XC	WBOX-L	Support	Support	Provide host computer development interface
314.XD (V3.4.5 and up)	XD-WBOXL-ED	Support	Support	
Modbus RTU	WBOX-L	Not support	Support	

Product features



Network modes
Support AP (wireless hotspot) and STA mode
Support multiple wireless hotspots automatic roaming technology (typical time <500ms, max time 2000ms)

Persistent online
Support disconnection redial and watchdog

Monitoring mode
The Intranet can reach four master stations for synchronous monitoring
Support simultaneous monitoring of Intranet and Extranet

Communication protocol
Support XNET fieldbus based on TCP/IP
Support Modbus TCP to connect SCADA software

Frequency band
2.4GHz wireless WLAN technology

Power supply
DC24V power supply

Connector
Standard SMA connector

Antenna
Standard high gain data antenna

Status indicator
Support signal strength and operation status indication functions

Serial port type
Support RS232C/RS485 serial port connection mode

Application scenario


Production information management


Smart home, RV

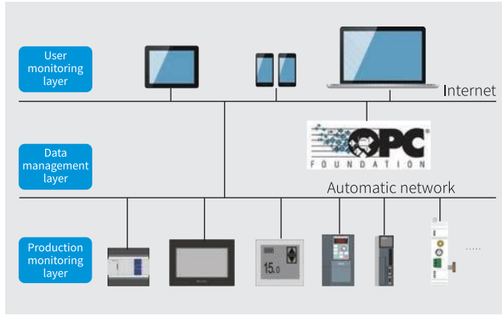

Warehousing logistics


Production and processing - wireless bridge crane scheduling

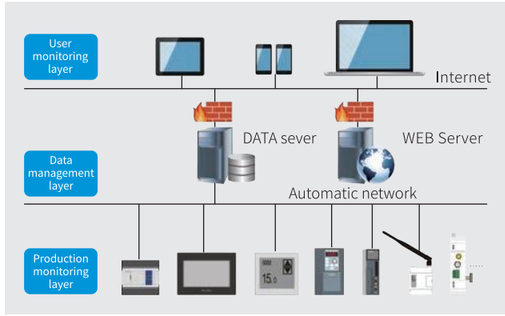

Digital workshop transformation

Typical network topology

Authority protection mechanism based on password authentication

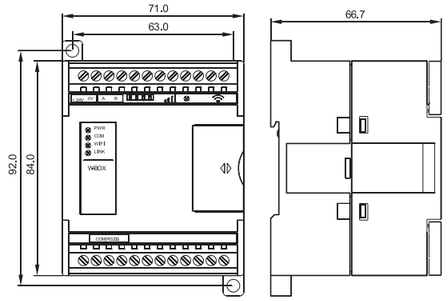


Remote monitoring of equipment through cloud platform

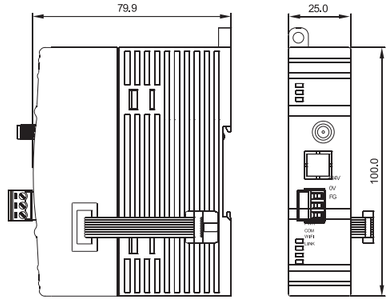


Dimension (Unit: mm)

WBOX-L



XD-WBOXL-ED



Ethernet module

The Ethernet module T-BOX uses 10M adaptive RJ45 interface and supports Modbus TCP and Modbus RTU communication protocols, enriching the communication connection mode between automation systems. The connection mode equipped with DCS system breaks the island state of traditional industrial automation system. The main monitoring methods include XC/XD series PLC software, website, app, Kingview, Wincc, ect.

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Module models and supported devices

Module type	Module type	Online programming debugging	SCADA monitoring	Communication protocol	Communication port	Using method	Others
T-BOX	XC	Support	Support	Modbus TCP	Support	Dial switch configuration, instruction programming	Provide host computer development interface
	XD	Support	Support		Support		
	Modbus RTU	Support	Support		Support		
Ethernet series PLC		Support	Support	Modbus TCP, X-NET, TCP/IP free format	10/100M adaptive RJ45 port, some models have double Ethernet ports, built in switch function	Dial free one button configuration, wizard programming, support static IP and automatically obtain IP	Provide local and remote communicatio n interfaces

Product features

Monitoring mode

Up to four master stations can be monitored synchronously in the intranet, which supports simultaneous intranet and extranet monitoring

Status indicator

T-BOX provides operation status signal light indication function

Communication port

T-BOX supports RS232C, RS485 serial port connection mode.
Ethernet PLC uses 10/100M adaptive Ethernet port.

Communication protocol

Support Modbus TCP master slave mode, can connect to SCADA software
Ethernet PLC supports X-NET bus based on TCP/IP
Ehternet PLC supports TCP/IP free format communication

Module connection

There are two common wiring modes of Ethernet equipment: twisted pair and optical fiber. Twisted pair is generally used for short-distance connection, and CAT5e or CAT6 network cable is recommended for field wiring. The theoretical communication distance of standard network cable is 100m. Optical fiber is generally used for long-distance connection. The communication distance of ordinary glass optical fiber combined with optical fiber transceiver can reach 20km.

CAT5e cable RJ45 connector

Optical fiber

Application scenario

Food processing

Warehousing logistics

Sewage disposal

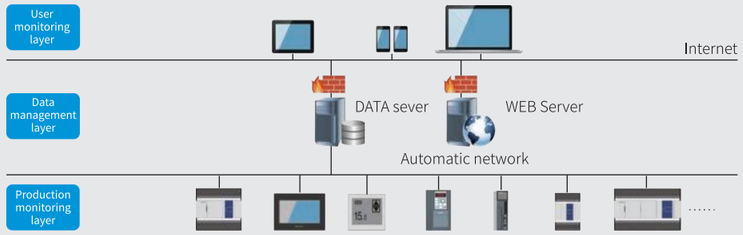
Power plant

Mine electromechanical

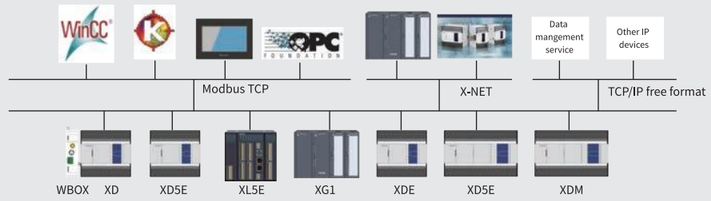
Petrochemical industry

Typical topology

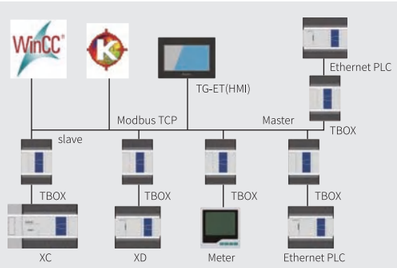
Remote monitoring the devices



Ethernet PLC realizes Ethernet control of equipment

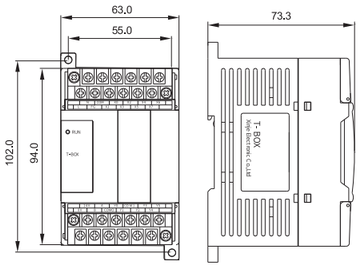


T-BOX LAN realizes Ethernet control of equipment



Dimension (Unit: mm)

T-BOX



S-BOX-HT

Protocol free, ultra short distance transmission

The SBOX 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, etc. It is widely used in field equipment networking communication and wireless HMI communication to realize short-distance wireless communi-cation 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 is based on 433MHz carrier frequency, and the farthest communication distance can reach 2km

Communication parameters

Serial port parameters can be set according to different PLC

Rich interface modes

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

Multi-channel optional

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

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

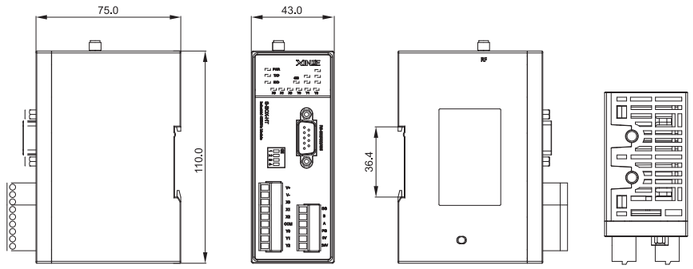
Industrial control, telemetry, remote sensing

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 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 deposit money in the IOT card. The package is divided into 6G and 12G every year

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 ABOX serial number and 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

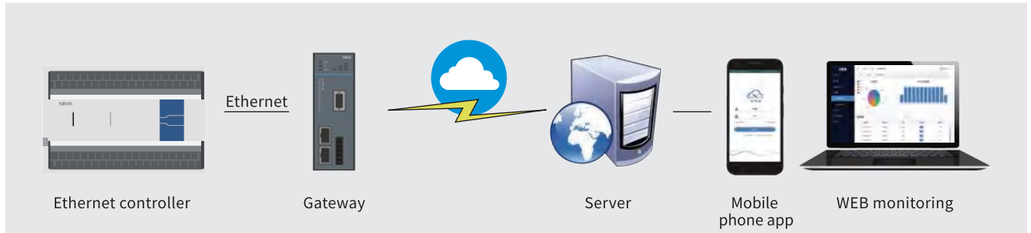

Smart city


Mechanical heavy industry IoT

Distributed multi-site operation and maintenance solution

Aiming at the disadvantages of the difficulty of distributed site equipment management, unattended, data confusion, 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. It realizes remote data acquisition, BI analysis, intelligent alarm, equipment control, data tracing, operation and maintenance management, etc.

Application industries: sewage treatment, 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.

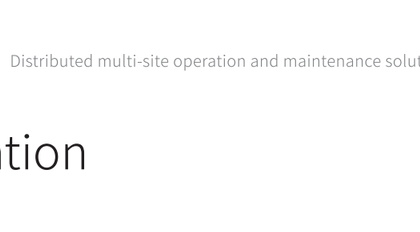
Combined control
Combined with the operation habits of on-site users, it provides the function of secondary structure screen, and implements the combined control of remote operation and local operation. It is simple and easy to understand, and the operators can learn it as soon as they learn. There is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

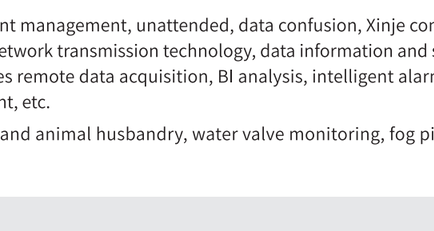
Multi-screen monitoring
On the same page, the on-site operation environment of multiple stations can be monitored at the same time through the SCADA and camera.

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.

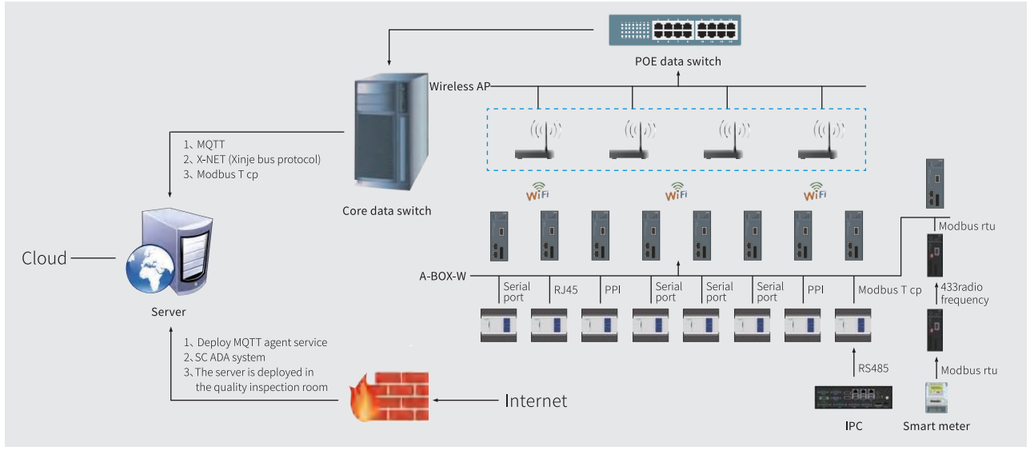
Standard protocol
It can provide the third party with data of equipment operation, maintenance, processing results and so on.





Workshop multi-equipment centralized operation and maintenance management scheme

In view of the manufacturer's lack of management on the existing machines, the inability to quickly and accurately collect the operation of each machine, and the unclear grasp of the current production progress, resulting in the current situation that the relevant data can not be used as the production direction in time, the Web programs that can be deployed on private servers are released to show the running status, utilization rate, time and cost savings, as well as key data statistics. You can also remotely view the working status of equipment, create new task binding equipment, query historical task data, receive alarm notifications, etc.



Xinje Cloud application

Device management

Bind the equipment to the workshop to facilitate the statistics of the number of equipment in each workshop, screen out high-quality workshops, and accurately track the output comparison of each workshop, so as to analyze the personnel's production tasks, production progress and other data.

Autonomous control

Create, edit and save the project task. Then distribute the project by machine according to the customized distribution conditions and save the key information.

Model management

Automatically bind the longitude and latitude of the device, accurately locate to the map, filter and manage according to the type and model of the device, obtain the distribution of various types and models of equipment in various places in real time, and distribute them to the information tab of specific equipment.

Data monitoring

The mobile phone remotely monitors the cloud data of the equipment in real time, queries the historical data, optional queries according to the time period, and makes a variety of classified statistics.

Data large screen

After the longitude and latitude of the equipment are automatically bound, the region of the equipment can be automatically determined, and then the statistical data can be displayed, including equipment operation status, equipment utilization rate, saved time and labor cost, etc.

Alarm maintenance

The equipment machine alarms and automatically records the alarm information. The workshop administrator finds the operation and maintenance demand and pushes it to the mobile phone of the operation and maintenance personnel. The operation and maintenance personnel repair and record the maintenance situation.

Servo system

DS5□1 small-sized servo　DS5□ general servo　DM5 two-in-one servo
DF3 low voltage servo

MS5/MS6 motor, MF motor