



WidelIoT

Provider of Industrial IoT Products and Digital Solutions

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Company Introduction

About Us



2011
Founded

100+
Product Models

60%
R&D Staff Ratio

20000+
Customers

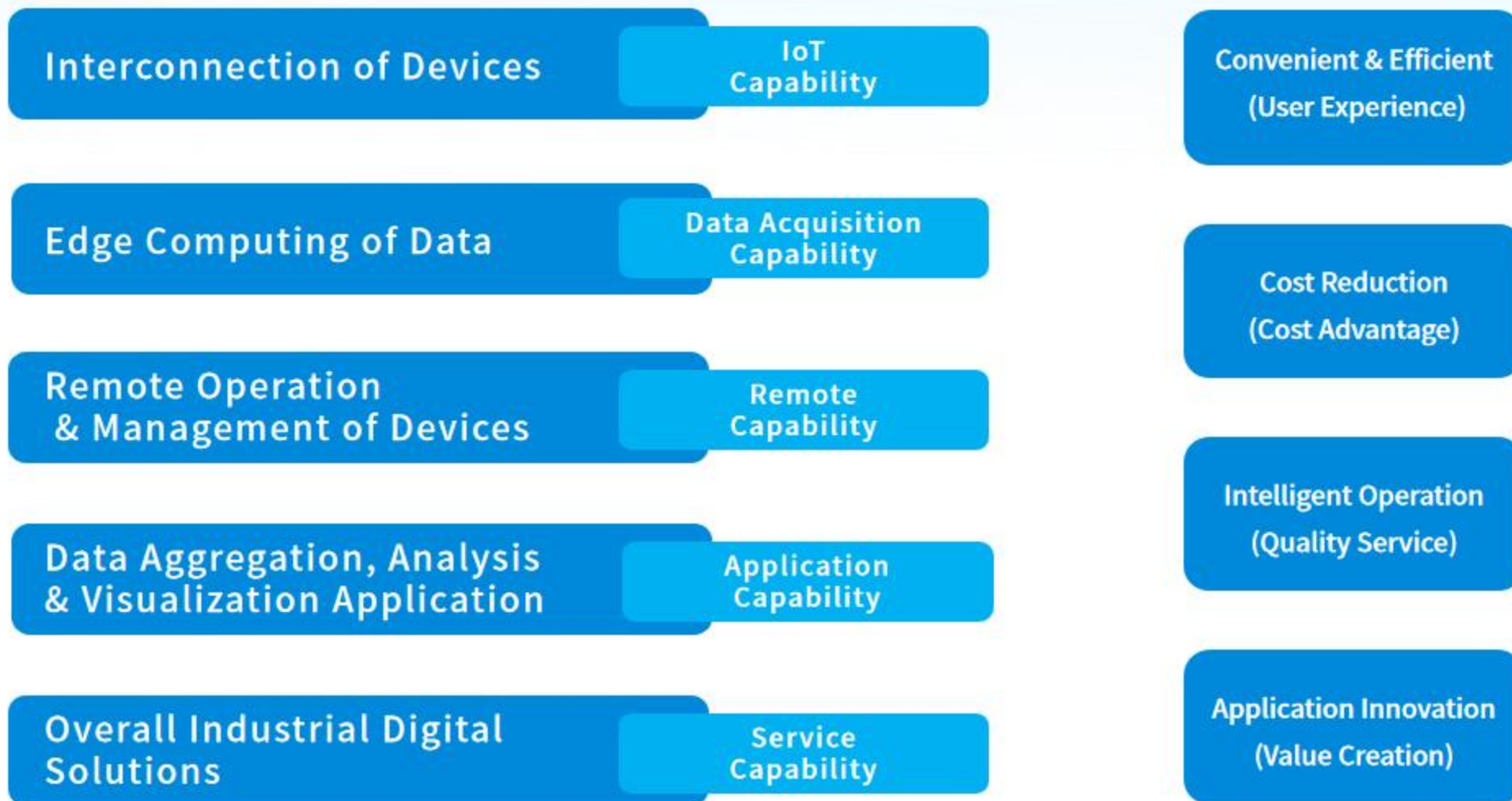
100+
Countries

Million+
Connected Devices

Founded in 2011 and headquartered in Xiamen, China, WidelIoT is a professional provider of industrial IoT products and digital solutions. It focuses on smart factory digitalization, remote management of smart equipment, energy system visualization, and intelligent infrastructure operation. The company offers a comprehensive product portfolio, including industrial wireless routers, industrial ethernet switches, industrial intelligent gateways, iot terminals, Industrial IO modules, industrial edge computers, and IoT data cloud platforms. As a national high-tech enterprise, WidelIoT integrates R&D, production, sales, and service into a seamless operation.



Our Capabilities



Our Advantages

01 Comprehensive Product Line

Covers product lines such as IO modules, network products, data acquisition devices, edge computing equipment, industrial computers, and data platforms. It builds a complete IoT system and provides one-stop services.

03 Fully Independent R&D

Covers hardware, embedded software, platform software, tool software, and digital application integration. It has a complete intellectual property system and supports OEM customization and ODM personalized development.

05 Open & Flexible Interfaces

Adopts open interfaces to achieve development decoupling and reduce integration difficulty. It meets customers' needs for application participation and expansion through edge computing, open interfaces, and configuration applications.

02 Stable & Reliable Products

Features industrial-grade design with fault self-healing capability, mature application in massive scenarios, and holds authoritative certification certificates.

04 Complete Service System

Establishes a 7×24-hour service system, providing end-to-end services from problem consultation, product selection, on-site investigation, solution design, implementation, to after-sales service.

06 Rich Successful Cases

Has accumulated numerous mature and successful cases across multiple industries and scenarios. Its technologies, products, and solutions are mature and reliable, with rich experience in implementation and application.

Our Vision

**Building the Underlying Foundation for an
Interconnected and Digital World**



Product Certifications



National High-Tech Enterprise



Top 100 IoT Projects in China



S-R-D-I Enterprises



ISO Certification



AAA-Level Credit Enterprise



Certified by authoritative institutions, with excellent product quality, safety, and reliability.

R&D Center



60%

R&D Staff Ratio

01

Four R&D centers

Hardware R&D Center

Embedded Software Center

Application Software R&D Center

Data Cloud Platform R&D Center

02

Rich Intellectual Property

Possesses comprehensive intellectual property rights covering hardware, software, and brand,

Holds numerous software copyrights and patents

Production Factories

**3 Smart Production Bases
Ensuring Product Quality**

Supports OEM/ODM services



Xiamen



Shenzhen



Suzhou

Multilingual Technical Support Team & Operation Center



Multilingual technical support team



7×24-hour Service Support



Local Project Sharing



Project Price Protection



Advantageous Customization Services

Marketing Layout



Covers more than **100** countries
and regions worldwide

Customers

Provide quality services to 100+ Fortune 500 clients and over 20,000 cooperative clients.

SIEMENS

Schneider
Electric

台达
DELTA

Azure 微软云

aws

ABB

VEOLIA

suez

CATL
宁德时代

三一重工
SANY

FOXCONN
富士康科技集团

京东方
BOE

LUXSHARE
立讯精密

BYD
比亚迪汽车

农夫山泉
NONGFU SPRING

ABUS
Security Tech Germany

OMRON

Mazak

FANUC

MITSUBISHI
HEAVY INDUSTRIES



Product Introduction

WideIoT

Our Products

Industrial Network Products

(5G, 4G, 3G, WIFI)



Industrial Routers



Industrial Switches

Industrial Data Acquisition Gateways

(Data Acquisition & Forwarding)



Industrial Data Acquisition Gateways
(Edge Computing & Intelligent Control)



Edge Computing Gateways

Industrial Data Acquisition Terminals

(DTU, RTU, IO)



Industrial data acquisition terminal

Software Platforms



Device networking platform



IOT data platform



Energy consumption management platform



Equipment O&M management platform



Vehicle management platform



Equipment maintenance express line

Solution

Digital & Intelligent Solutions

(Create brand-new operation modes, management modes, and application modes)



Smart Factories



Equipment Manufacturers



Energy Management



Sewage Treatment



Iron & Steel Metallurgy



Environmental Monitoring

Industrial Network Connectivity

Industrial Network Connectivity

Fast, Convenient, Stable, and Secure Network Access

Industrial Wireless Routers



WR511

- 1 100M Ethernet port; Supports 5G Redcap, 4G CAT1, CAT4, WIFI4 AP/STA



WR513

- 3 100M Ethernet ports; Supports 5G Redcap, 4G CAT1, CAT4, WIFI4 AP/STA



WR515

- 5 100M Ethernet ports; Supports 5G Redcap, 4G CAT1, CAT4, WIFI4 AP/STA



WR713

- 3 1000M Ethernet ports; Supports 5G SA/NSA, 4G CAT1, CAT4, WIFI5 AP/STA

- ✓ Supports multiple internet access methods: 5G (Redcap), 4G (CAT1/CAT4), WiFi
- ✓ Supports multiple VPN networking: APN, PPTP, L2TP, OpenVPN, IPsec VPN
- ✓ Supports functions: PPOE, Static IP, DHCP, DMZ
- ✓ Supports router management and configuration via cloud platform
- ✓ Supports multi-network backup, hardware/software watchdog, and automatic reconnection after disconnection
- ✓ Industrial-grade design: Wide temperature & voltage range, EMC protection, safe and reliable



Internet abundance

5G

5G、 Redcap、 5G LAN

4G

FDD LTE 、 TDD LTE; support CAT1 and CAT4

3G

WCDMA, TDCDMA, CDMA2000

WIFI

WIFI6、 WIFI5、 WIFI4; 2.4GHZ and 5.8GHZ

VPN

support IPSECVPN、 OPENVPN、 L2TP VPN、 PPTP VPN

High-speed

Safety

Stable



Industrial Switch Products



WS1005E-5T Unmanaged Switch

5 100Mbps electrical ports
Input: 12~48VDC or 24VAC;
Op. Temp.: -40~75°C



WS1008E-8T Unmanaged Switch

8 100Mbps electrical ports
Input : 12~48VDC or 24VAC;
Op. Temp.: -40~75°C



WS2010E-2GS-8T Unmanaged Switch

8 10/100/1000Mbps Auto-Negotiation Ethernet Ports
2 1000M SFP Expansion Slots



WS2012M-4GS-8T Managed Switch

8 10/100/1000M Auto-Neg Ethernet RJ45 Ports
4 1000M SFP Expansion Slots



WS2028E-4GS-24T Managed Switch

24 10/100/1000Mbps adaptive Ethernet ports
4 1000M SFP expansion slots
Input: DC12/24V, AC/DC85~265V;
Operating temperature: -40°C~75°C;
Wide-temperature option available; Fanless design

■ Industrial-Grade Design

Anti-static, anti-surge, lightning & pulse protection, high/low temperature resistance, dustproof, moisture-proof, corrosion-proof

■ Network Redundancy

Network redundancy backup to achieve fast reconnection after network interruption and ensure reliable business transmission

■ Integrated Security

Comprehensive software functions, supporting multiple network protocols and standard protocols to effectively ensure data security

■ Real-Time Reliability

Suppresses broadcast storms, controls the network flexibly and efficiently, and realizes real-time data acquisition, monitoring, and analysis

Application Fields



Smart Manufacturing



Smart Retail



Smart Grid



Smart City



Smart Transportation



Renewable Energy



Utilities



Smart Healthcare



Commercial IoT



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Protocols and Edge Gateways

Protocol and Edge Gateways

Efficient Protocol Parsing | Intelligent Edge Computing | Convenient Cloud Access

Industrial IoT Gateway - IoT



Protocol Parsing



Edge Computing



AI Analysis



Cloud Monitoring

WideIoT's Industrial Intelligent Gateways are critical edge nodes for both Industrial IoT (IIoT) systems and Industrial SCADA systems. It is capable of collecting data from a wide range of devices, including PLCs, CNCs, meters, sensors, robotic arms, environmental protection equipment, and energy devices. Following protocol conversion, edge computing, and data standardization, it integrates this data into various industrial cloud platforms and software, such as IoT Platform, SCADA, MES, and EMS.

Edge Gateway Products



WG581

- Single-core 580MHz CPU
- 5G Redcap/4G/WiFi/Ethernet
- 1 100M Ethernet port
- 1 serial port
- Supports data acquisition and protocol parsing
- Supports remote maintenance and edge computing



WG583

- Single-core 580MHz CPU
- 5G Redcap/4G/WiFi/Ethernet
- 3 100M Ethernet port
- 2 serial port
- Supports data acquisition and protocol parsing
- Supports remote maintenance and edge computing



WG585

- Single-core 580MHz CPU
- 5G Redcap/4G/WiFi/Ethernet
- 5 100M Ethernet port
- 2 serial port
- Supports data acquisition and protocol parsing
- Supports remote maintenance and edge computing



WG593

- Single-core 580MHz CPU
- 5G Redcap/4G/WiFi/Ethernet
- 3 100Mbps Ethernet ports, 1 serial port, multiple IO, and LORA
- Supports data acquisition and protocol parsing
- Supports remote maintenance and edge computing



WG783

- Dual-core 880 MHz CPU
- 5G /4G/WiFi/Ethernet
- 3 1000M Ethernet port
- 2 serial port
- Supports data acquisition and protocol parsing
- Supports remote maintenance and edge computing



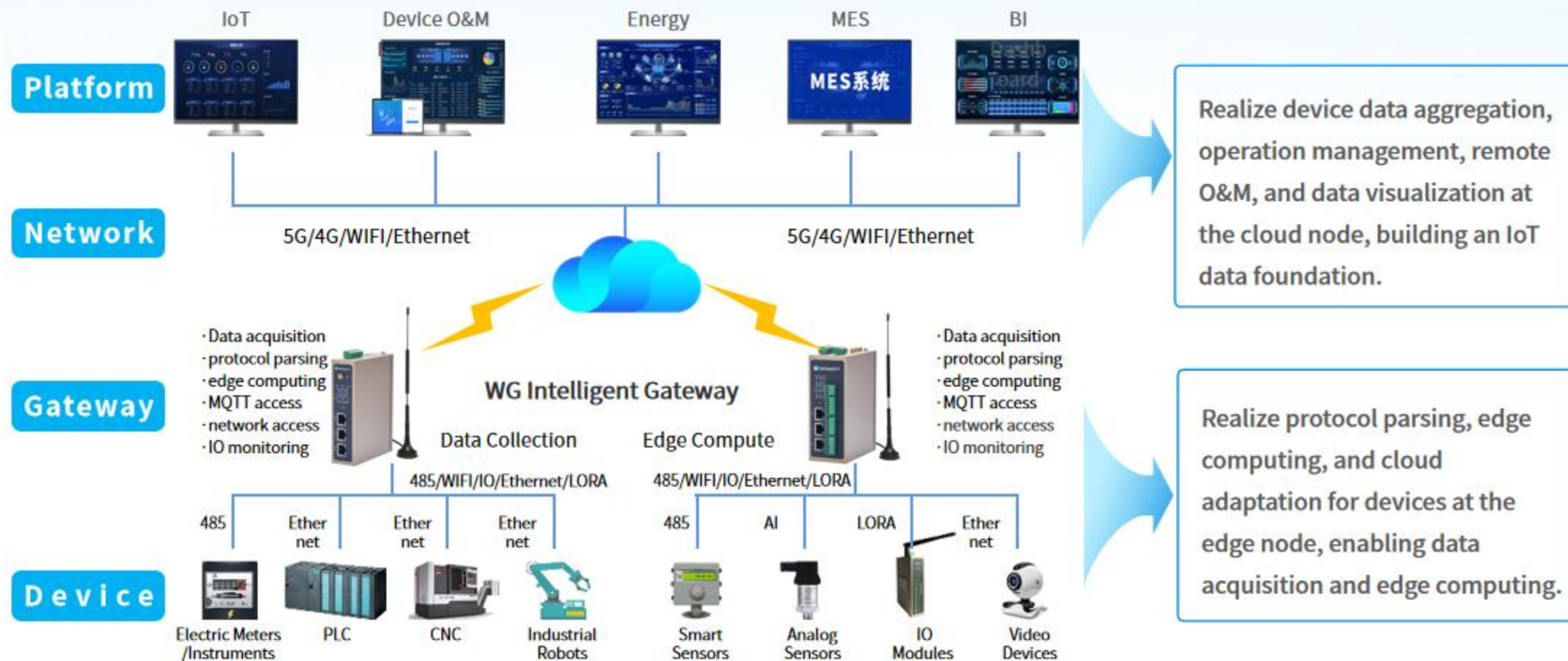
WG793

- Dual-core 880 MHz CPU
- 5G /4G/WiFi/Ethernet
- 3 1000M Ethernet port
- 10 serial port
- Supports data acquisition and protocol parsing
- Supports remote maintenance and edge computing

- ✓ Supports multiple network access methods: 5G, 4G, WiFi, Ethernet, LoRa
- ✓ Supports numerous industrial control protocols for sensors, instruments, PLCs, CNCs, etc.
- ✓ Supports MQTT access, as well as connection to Microsoft Azure and AWS platforms
- ✓ Supports Modbus TCP and OPC UA data forwarding

- ✓ Multiple Protections, Stable and Reliable; Supports Network Disconnection Reconnection and Breakpoint Resume
- ✓ Supports multiple edge computing functions (formula calculation, alarm, jump, etc.)
- ✓ Supports remote device maintenance: remote debugging, remote diagnosis, remote OTA
- ✓ Built-in firewall for network security, data encryption, and other functions

Application Topology



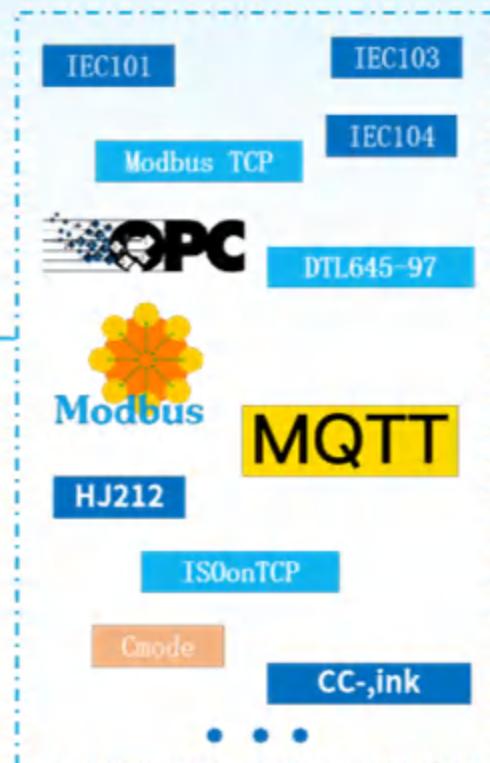
Device Access Capability - Device Data Acquisition



Supports data collection for tens of thousands of devices



Built-in mainstream industrial control protocols



■ Convenient Acquisition

A single gateway supports simultaneous data collection from devices with multiple different protocols.

■ High-Speed Acquisition

Built-in high-speed acquisition algorithms, concurrent acquisition, and high-speed bus coordination mechanisms.

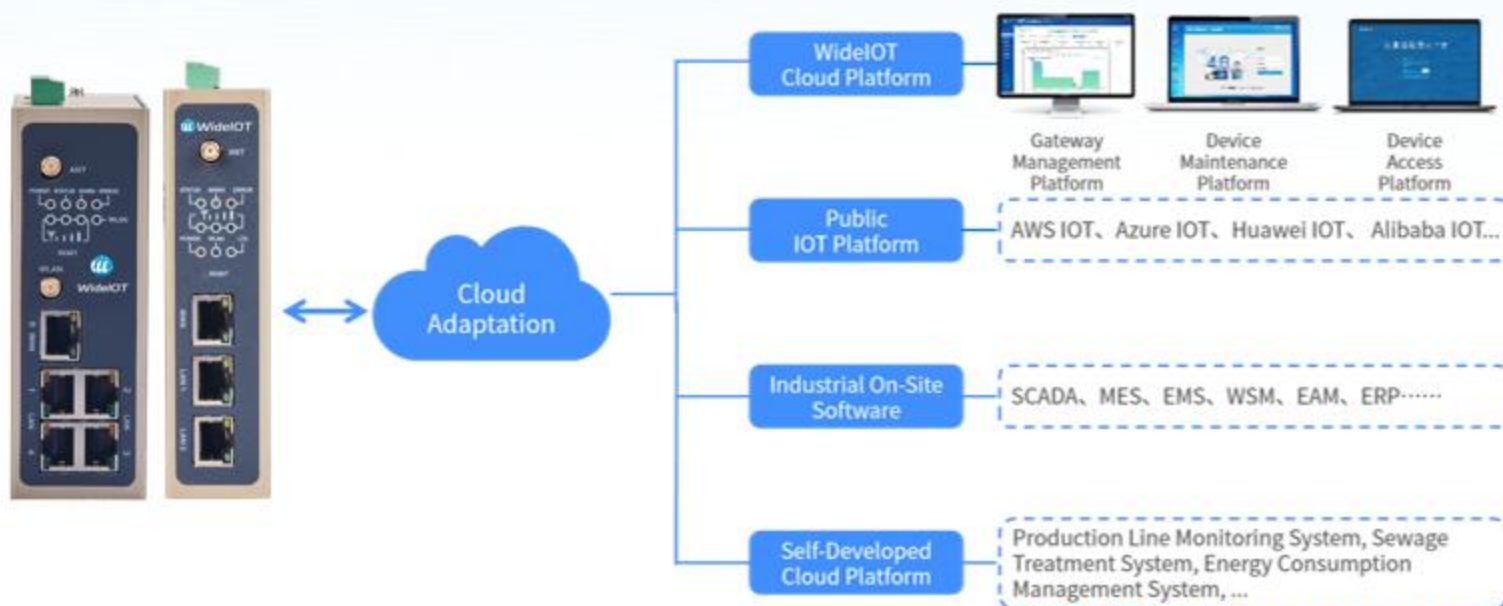
■ Stable Acquisition

Intelligent bus anti-collision mechanism and fault self-healing algorithm for acquisition links.

■ Flexible Acquisition

Supports custom configuration of various acquisition rules (points, time, communication rules, etc.).

Cloud Access Capability - Data Forwarding Capability



■ Open API Interfaces

Provides rich API development interfaces to support users in rapid development of various business platforms.

■ Multiple Remote Centers

Supports simultaneous connection to multiple remote data centers and remote configuration management platforms.

■ Secure and Reliable Access

Supports various TLS security encryptions, multiple QoS levels, and resumable data transfer from breakpoints.

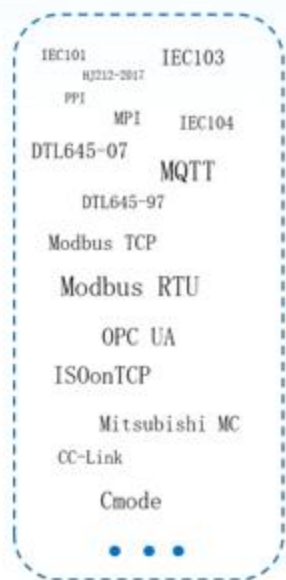
■ Message Self-Adaptation

Supports customized development or self-definition for rapid access to various cloud platforms and industrial software.

■ Rich Cloud Protocols

Supports MQTT, HTTP, TCP, OPC UA, Modbus-TCP, SQL

Industrial Protocol Gateway



MODBUS

MQTT

OPC

HJ212

SL651

WideIoT Protocol Conversion Gateway enables data conversion and communication between different protocols:.

- Supports MQTT protocol conversion
- Supports Modbus protocol conversion
- Supports HJ212 protocol conversion
- Supports SL651 protocol conversion
- Supports OPC UA protocol conversion
- Supports protocol conversion for IEC101/103/104, CJ188, DLT645, IEC61850, etc.
- Supports Modbus RTU to Modbus TCP conversion (485 to Ethernet)

Application Scenarios



Factory Digitalization



Equipment Digitalization



Energy Digitalization



Vehicle Digitalization



Smart Water Conservancy



Environmental Protection



Smart Water Services



Smart City



Smart Healthcare



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IOT Terminals

Industrial Wireless Terminal

Data Transparent Transmission | IO Control | Wireless Networking

IOT Terminals



Digital Quantity
Acquisition



Analog Quantity
Acquisition



Wireless Transparent
Transmission



4G Cloud
Connection

WideIoT WD Series IOT Terminals are industrial wireless terminals that support IO acquisition control and serial port transparent transmission. They support data acquisition and control of multiple channels of DI, DO, AI, AO in industrial sites, and offer LoRa local networking and 4G data upload to the cloud. Thus, they realize wireless data acquisition and remote control of numerous on-site devices such as sensors, instruments, indicator lights, actuators, and main controllers.

Wireless Data Terminal Models



WD140

1 RS232/485 serial port, multi-channel IO (2AI-1DI-1DO)

4G version, WiFi version, LoRa version

- ✓ Supports 4G, WiFi, LoRa (optional)
- ✓ Supports 4G/WiFi cloud upload
- ✓ Supports fast pulse counting function



WD240

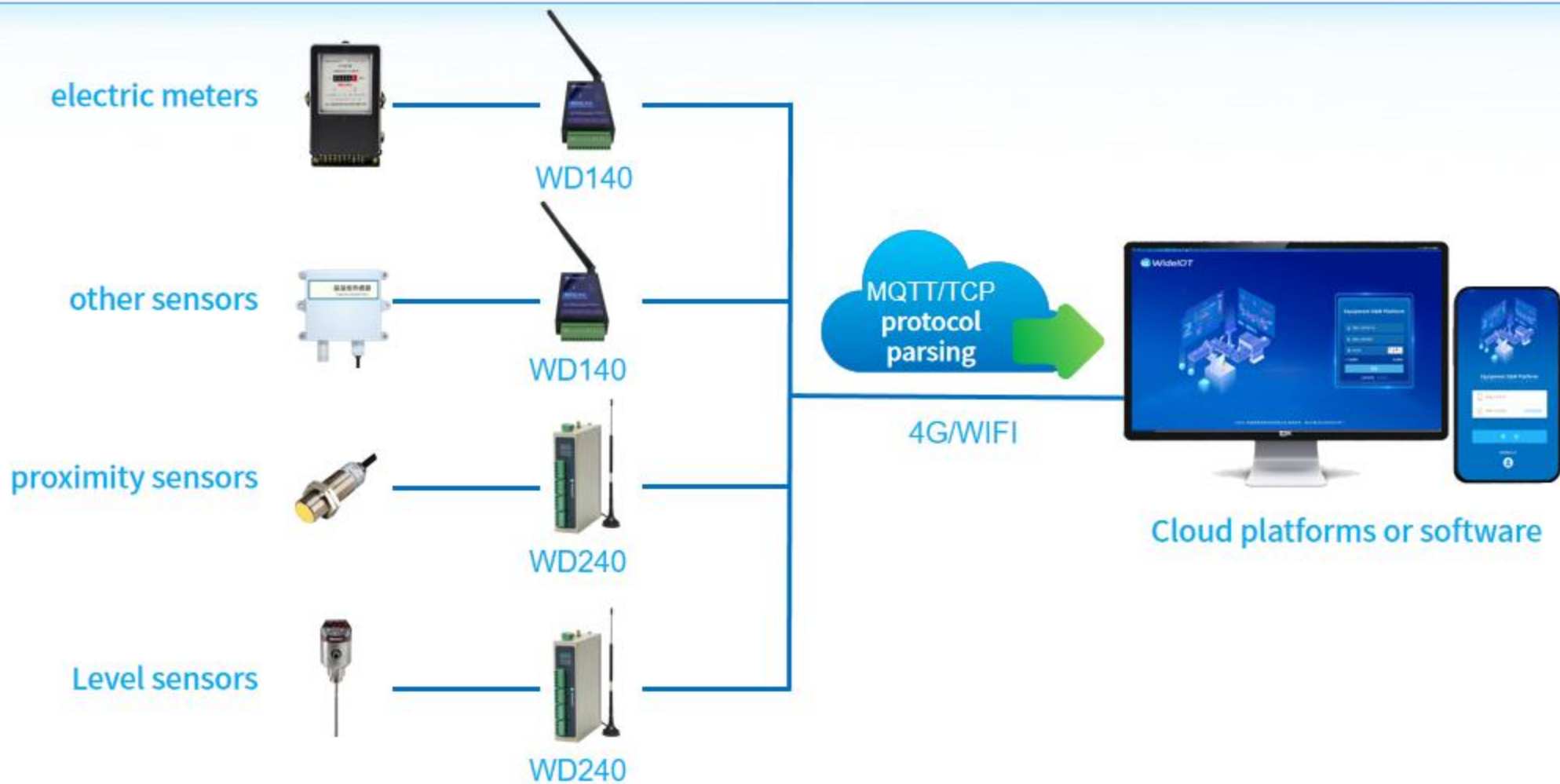
1 RS232/485 serial port, multi-channel IO (8AI-4DI-4DO)

4G version, WiFi version, LoRa version

- ✓ Supports AI, AO, DI, DO acquisition and control
- ✓ Supports serial port transparent transmission
- ✓ Industrial-grade design with wide temperature and voltage ranges

4G/WiFi Topology

IO data interacts with cloud data platforms and software via MQTT/TCP through 4G and WiFi communication technologies.



LoRa Networking Topology

Local devices form a local network via LoRa, and then interact with the cloud platform through the gateway.



Application Scenarios



Mine and Oil Well



Water Conservancy
Monitoring



Smart Agriculture



Smart Transportation



Smart Factory



Industrial Control



Building Monitoring



Medical Industry



Hotel and Commerce



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Industrial Computer

Industrial computer

Industrial Computer | Computing Gateway | Industrial AI All-in-One Machine

Industrial Computers (Prototype Stage)

Industrial Computer

WEC205

- 4-core 2GHz A53;
- 5 1000M Ethernet ports
- 2 serial ports
- 2 USB, 1 HDMI; 2 CAN ports
- Supports 5G, 4G, WIFI5
- Runs Debian 12 Linux 6
- Supports OpenSSH, OpenSFTP
- Open environment and Interfaces

Computing Data Acquisition Gateway

WEC285

- 4-core 1.8GHz A53
- 5 1000M Ethernet ports
- 10 serial ports
- 2 USB, 1 HDMI; 2 CAN ports
- Supports 5G, 4G, WIFI5
- Runs Debian 12 Linux 6
- Industrial gateway functions
- MQTT open interface
- Edge computing functions

Computing Vehicle Gateway

WEC265

- 4-core 1.8GHz A53
- 5 1000M Ethernet ports
- 2 serial ports
- 2 USB, 2 CAN ports, 2 LIN, 1 J1708
- Supports 5G, 4G, WIFI5
- Runs Debian 12 Linux 6
- OBDII+J1939 protocols
- GNSS positioning
- Data acquisition and cloud access

Industrial All-in-One Machine

WEC295

- 4-core 1.8GHz A53
- 5 1000M Ethernet ports
- 10 serial ports
- 2 USB, 1 HDMI; 2 CAN ports
- Supports 5G, 4G, WIFI5
- Runs Debian 12 Linux 6
- Supports data acquisition
- Supports cloud platform functions
- Supports API calling Interfaces

- ✓ Supports multiple internet access methods: 5G, 4G, WiFi5, Ethernet
- ✓ 4-core 2GHz CPU, 1 TOPS computing power
- ✓ Supports dual USB and HDMI; runs Linux system
- ✓ Supports multiple product forms: open environment, computing edge gateway, vehicle gateway, all-in-one machine
- ✓ Supports edge computing and remote maintenance functions
- ✓ Industrial-grade design with wide temperature/voltage ranges and EMC protection; safe and reliable

Application Scenarios



Smart Manufacturing



Energy Storage EMS



Vehicle Gateway



Smart City



Smart Transportation



Smart Heating



Utilities



Smart Healthcare



Smart Equipment



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Software and Platforms

Software and Platforms

Massive Concurrent Access | Device Operation Management | Custom Configuration | Intelligent Analysis Reports



- Device access and management
- Remote operation and maintenance service for equipment
- Data analysis and BI dashboard
- Configuration monitoring of equipment operation

The IoT Cloud Platform is a low-code platform with functions including device data management, device data display, custom 2D/3D configuration operation interfaces, custom large-screen BI dashboards, rich data reports and analysis models, and remote device monitoring. It has strong adaptability and scalability to meet different enterprise needs, helping enterprises build various visual management platforms and achieve visual and digital management.

Widely used in fields such as environmental monitoring and management, water conservancy monitoring and management, agriculture and animal husbandry management, water and electricity supply management, heating and cooling management, smart cities, and emergency management.

Functional Features



Real-Time Device Monitoring

Real-time acquisition & visual display of device operating status (clear view). Cloud-based remote control (on/off, parameter adjustment, mode switching) to boost management efficiency.



Device O&M

Engineers conduct remote debugging, diagnosis, maintenance, & program upload/download via the platform (higher efficiency, lower costs). Work order management for visual O&M process.



Process Configuration Monitoring

Rich cloud config tools & visual components. Zero-programming, building-block process config monitoring for on-site devices/projects to boost management efficiency.



Fault Alarm & Early Warning

Alarm rules based on device data/status. Auto-alarm on anomalies; notify via WeChat, SMS, email to ensure timely fault awareness for maintenance staff.



Data Large-Screen Display

Rich templates for flexible visual data display (managers grasp core info, supports decision-making). Large-screen drawing tool for personalized interface creation.



Data Report Analysis

Generates diverse reports (daily/weekly/monthly, comparative) from organized data. Enables in-depth data mining; provides data support for optimizing device performance, efficiency, & cost reduction.

应用场景



Production Line Monitoring System



Remote Device Monitoring System



Rural Sewage Monitoring Platform



Secondary Water Supply Pumping Station Monitoring Platform



Smart Environmental Protection Monitoring Platform



Smart Heating Monitoring Platform



Smart Cooling Monitoring Platform



Smart Breeding Monitoring Platform



Smart Construction Site Safety Monitoring Platform



Intelligent Irrigation Remote Management Platform



Urban Waterlogging Monitoring Platform



Hydrological and Water Conservancy Monitoring Platform



Pipe Network and Utility Tunnel Monitoring Platform



Oilfield Well Monitoring Platform



Environmental Monitoring Platform

Device O&M Management Platform



- Device Data Access
- Device Configuration Monitoring
- After-Sales Work Order Management
- Remote Device O&M
- Data Report Analysis
- Value-Added Service Application

The Device Operation and Maintenance (O&M) Management Platform is designed for the O&M management of distributed devices. It helps enterprises achieve remote management, remote monitoring, fault alarming, operation and maintenance, and big data application for devices distributed in various regions worldwide. Through remote device maintenance and full-lifecycle operation control of devices, the platform assists enterprises in reducing O&M costs, improving service levels, enhancing product value, boosting innovation capabilities, and realizing the digital transformation and upgrading of service-oriented manufacturing.

Functional Features



Remote Device Management

Enables access to distributed devices, presenting various types of devices in a clear hierarchical structure and realizing device asset management.



Remote Device Maintenance

Engineers conduct remote diagnosis, maintenance, debugging & program upload/download after receiving work orders (no on-site visits). Shorten maintenance cycle; cut costs.



Lifecycle Management

Establish full-lifecycle device model; manage spare parts. Shift from passive to active maintenance; cut enterprise costs & boost efficiency.



Remote Device Operation

Real-time monitoring of device status; auto-predictive alarms & notifications via WeChat/email/SMS. Auto-dispatch work orders to maintenance engineers; enhance O&M safety.



Predictive Maintenance

Based on real-time monitoring & historical fault data: online device inspection, planned & predictive maintenance. Reduce downtime risks; ensure efficiency, boost device availability; extend service life.



Intelligent Data Application

Mine & analyze real-time/historical device data; generate statistical reports. Support managers' decision-making; enhance enterprise innovation, R&D levels; expand markets.

Application Scenarios



Construction Machinery



Water Treatment Equipment



Textile Machinery



Printing and Dyeing Machinery



Top Drive Equipment



Livestock Breeding Equipment



Tobacco Machinery



Packaging Machinery



Industrial Robots



Drying Equipment



Filling Equipment



Coating Equipment



Air Compressors



Lubrication Equipment



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Energy Management Platform



- Real-Time Data Monitoring
- Intelligent Data Analysis
- Energy-Saving Control Strategies
- Energy Safety Management

Energy Management Platform: Collects factory/park multi-energy data (water, electricity, heat, gas) & new energy equipment operating data (PV, wind power, energy storage, charging piles). Offers platform functions: device supervision, energy data acquisition, consumption/carbon emission monitoring, cost accounting, energy-saving analysis, control, consumption prediction & reports. Enables enterprises' refined energy management, energy saving & carbon reduction; helps customers cut costs & boost efficiency. Widely used in energy-consuming scenarios: factories, parks, communities, power systems, buildings, public facilities.

Functional Features



Real-Time Energy Monitoring

Real-time energy data collection & centralized monitoring (via automation/Intelligence). Accurately capture enterprise-wide energy consumption & device status. Improve energy management accuracy/timeliness; lay data foundation for follow-up actions.



Energy-Saving Control Strategies

Based on real-time energy monitoring & data analysis. Accurately identify energy waste sources; formulate/implement targeted energy-saving measures. Effectively cut waste; boost overall energy efficiency.



Energy Use Safety Assurance

Real-time monitoring of energy equipment status. Sensitive detection of potential hazards; prompt manager reminders via early warning/alarm. Prevent safety accidents; fully ensure enterprise energy use safety.



Energy Analysis and Optimization

In-depth analysis of collected energy data. Help managers grasp enterprise energy use rules/distribution. Enable scientific optimization of energy management processes; boost overall level & efficiency.



Consumption Analysis and Prediction

Via consumption analysis, energy-saving implementation & demand prediction. Plus strategies (capacity declaration, peak-valley filling). Optimize energy structure, cut consumption; lower enterprise energy costs & boost economic benefits.



Data Analysis and Application

Generate rich energy data & analysis reports. Provide management with comprehensive/accurate energy info. Act as core basis for key decisions (strategy, structure optimization, energy conservation & emission reduction).

Application Scenarios



Smart Factory Energy Management



Park and Building Energy Management



New Energy Industry Energy Management

Vehicle Management Platform



- Vehicle Operation Monitoring
- Remote Operation and Maintenance
- Vehicle Positioning and Dispatching
- Vehicle Data Analysis

Through technologies such as big data, the Internet of Things (IoT), and mobile Internet, the Vehicle Management Platform collects and transmits vehicle data information. It real-time collects and uploads key vehicle information and positioning data to the platform for display, monitoring, and analysis. The platform monitors the operating status of vehicle equipment, tracks vehicle movement trajectories, alerts for abnormal situations, and promptly detects vehicle anomalies. It helps operation managers manage vehicles and after-sales maintenance personnel handle faults remotely, reducing the probability of accidents during vehicle operation, realizing full-lifecycle vehicle management, and achieving integrated vehicle management, operation, and maintenance.

Functional Features



Remote Vehicle Monitoring

Real-time monitors vehicle status, location, and driver behavior, enabling real-time grasp of vehicle operation conditions. This ensures compliance in vehicle operation and use, optimizes vehicle management processes, and improves work efficiency.



Vehicle After-Sales Management

Quickly responds to customer needs, improves after-sales service efficiency, and enables remote fault diagnosis and maintenance through the platform. This enhances after-sales service quality and customer satisfaction.



Vehicle Safety Monitoring

Real-time monitors vehicle operating status, quickly responds when abnormal situations are detected, and reminds drivers of potential risks in advance, reducing accident risks and ensuring the safety of drivers and vehicles.



Vehicle O&M Management

Reduces fuel consumption and maintenance costs through refined management, optimizes vehicle use efficiency, and formulates reasonable maintenance and service plans, helping enterprises control and reduce operating costs.



Vehicle Dispatching Management

Based on real-time vehicle location, vehicle condition, operating status, and order priority, the platform automatically dispatches orders, improving dispatching efficiency and vehicle utilization.



Operation Data Analysis

Collects and analyzes vehicle operation data, provides accurate operation data reports for managers, helps them understand key indicators, provides decision support for management, and assists in formulating long-term strategic plans.

Application Scenarios



Engineering
Vehicles



Garbage Trucks



Oil Tankers



Cold Chain
Vehicles



Medical Vehicles



Fire Engines



Special Vehicles



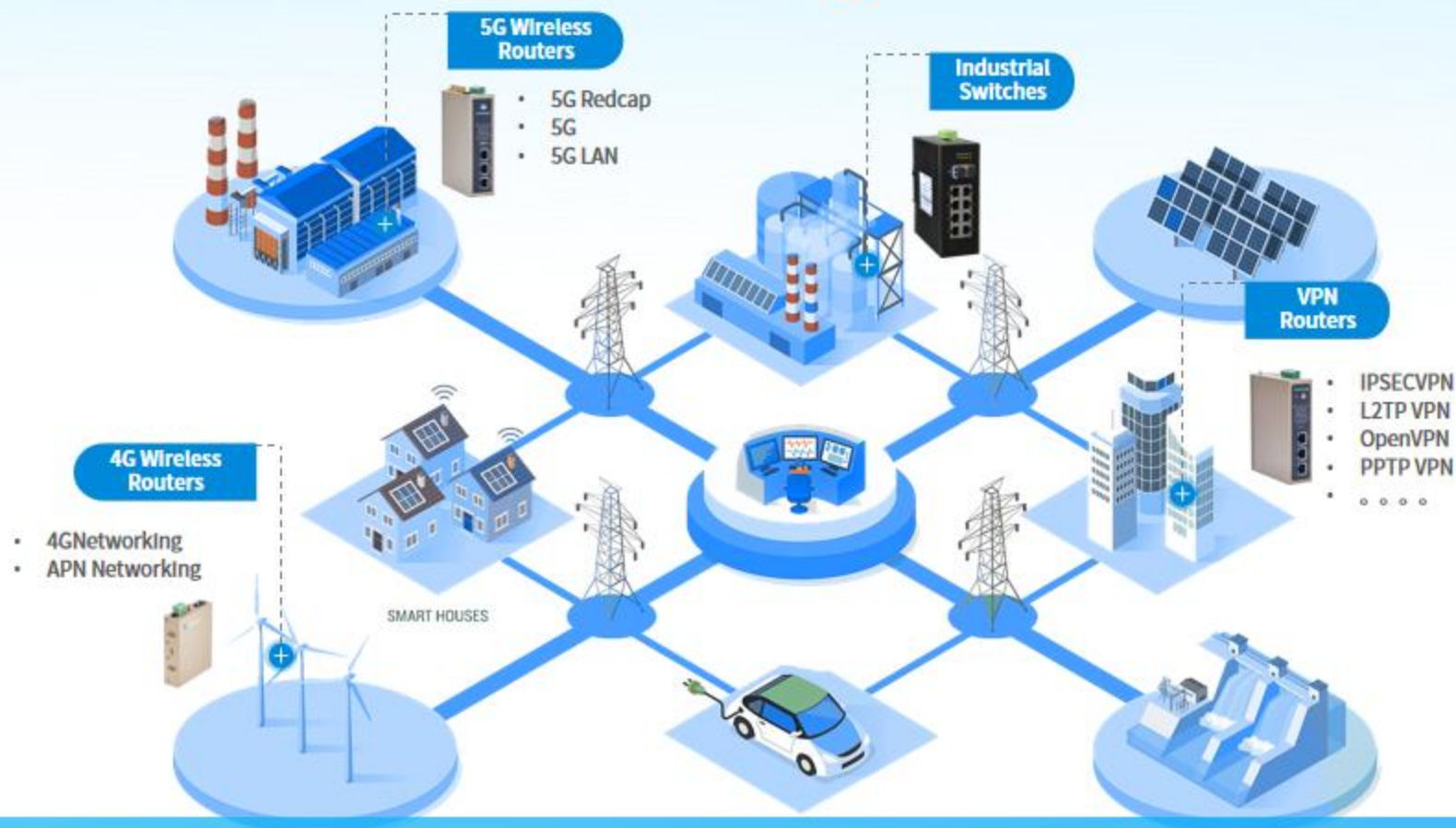
Emergency Power
Vehicles



Application Fields

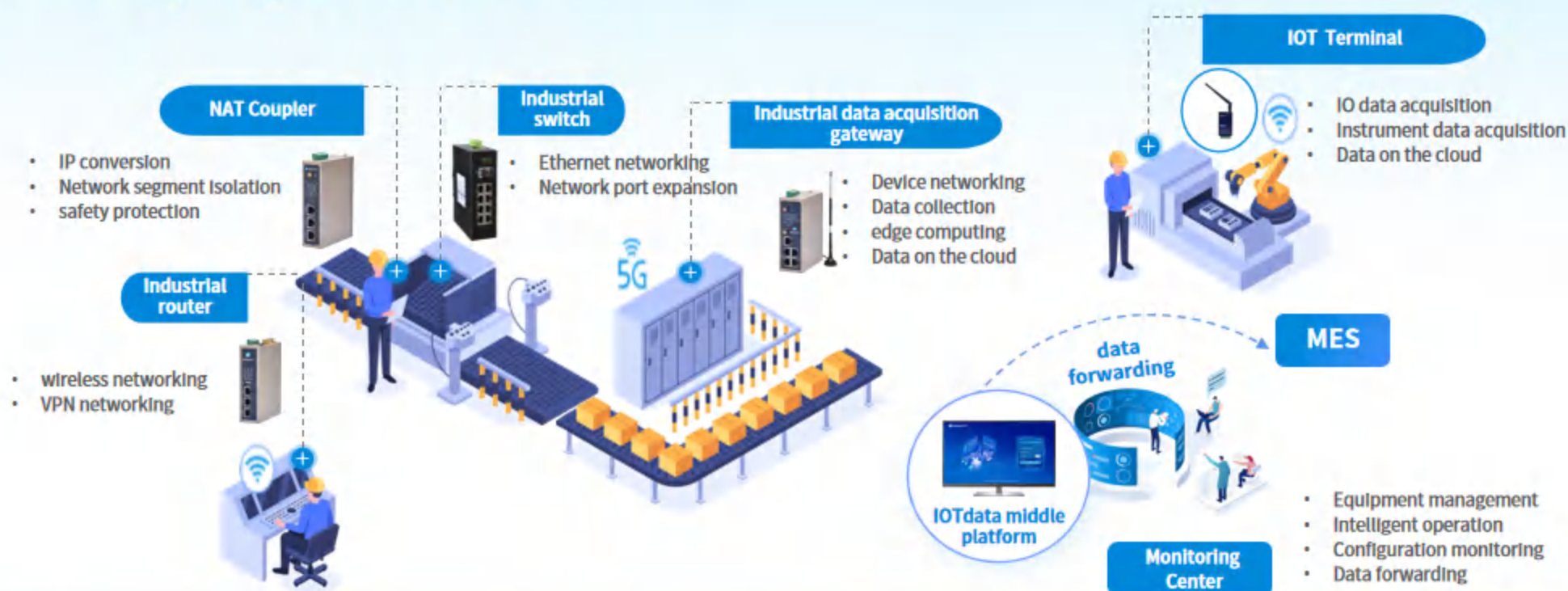


Industrial and Commercial Networking



WideIoT provides fast, convenient, stable, and secure network access solutions for customers through its 5G, 4G, WiFi, VPN industrial wireless routers and various industrial switches. This ensures that your devices can be stably and reliably connected to the network.

Factory Digitalization



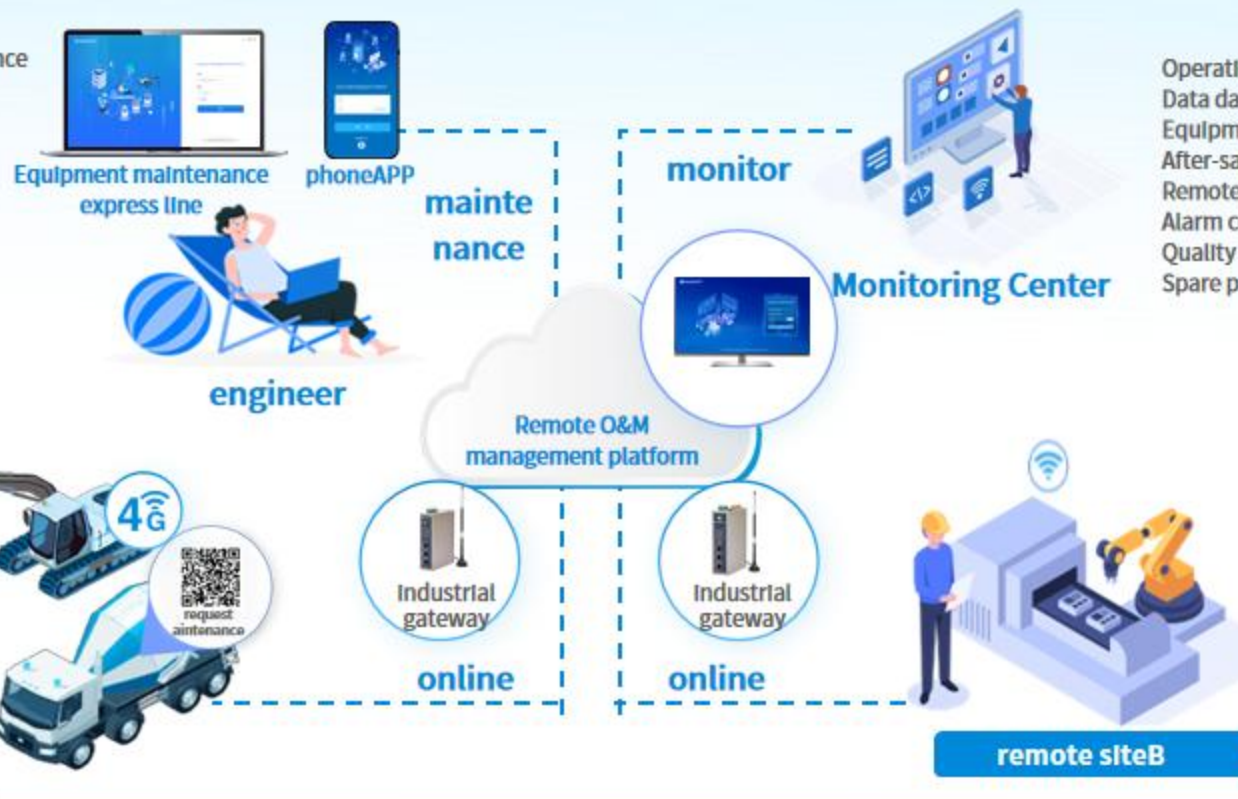
WideIoT's industrial wireless routers, switches, data acquisition gateways, network isolators, data terminals & IoT platforms enable integrated applications (factory network connection, data acquisition, network security, data platforms). Provides factory digital solutions (production line data acquisition, device operation management, energy management/energy-saving, safety & environmental early warning), boosts factories' digital & intelligent levels. Successfully applied in smart factories like Foxconn, CATL, BOE.

Intelligent Gateway Supports data collection from factory industrial devices (IO, sensors, PLC controllers, water/electricity/heat/gas meters, CNC machines, robotic arms, injection molding machines), covering almost all smart factory scenarios.

Equipment Digitalization

Fully remote operation and maintenance

- Remote monitoring
- Remote configuration
- Remote upload and download

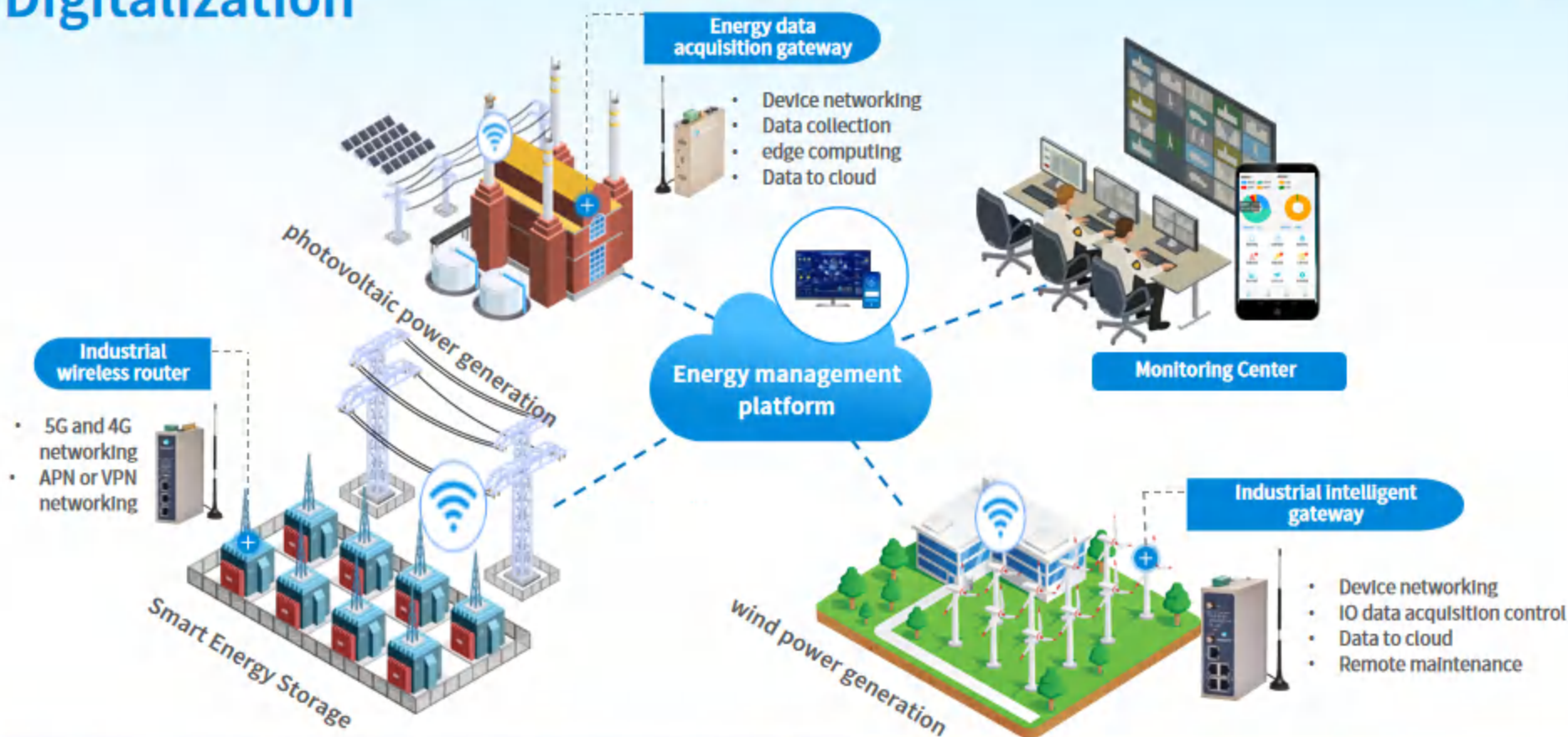


Operation of Intelligent equipment

- Data dashboard
- Equipment operating condition
- After-sales work order
- Remote maintenance
- Alarm center
- Quality analysis
- Spare parts

WideIOT's equipment operation digital solution consists of remote gateways, device maintenance express, and device operation management platforms. This solution enables real-time monitoring, remote maintenance, fault prediction, quality monitoring, and after-sales maintenance of equipment operated by equipment manufacturers. It helps enterprises improve management efficiency, reduce operating costs, and enhance service quality, and has been successfully applied in many equipment manufacturing enterprises such as Sany Heavy Industry, XCMG Group, and Shanghai Electric.

Energy Digitalization



Through WideIoT's networking products and data acquisition products, network access and data acquisition of photovoltaic systems, wind power generation, energy storage systems, electrical equipment, and charging piles can be realized (supporting energy protocols such as DTL645, IEC101, IEC103, IEC104, IEC61850). The Energy Management Platform enables real-time monitoring, device management, data analysis, and business applications, thereby improving energy use efficiency, promoting the development of clean energy, enhancing the stability and flexibility of power systems, and realizing efficient, flexible, and sustainable development of power systems.

Intelligent Vehicle Operation



Through WideIoT's vehicle-mounted gateways (supporting OBDII and J1939 protocols, positioning) and industrial intelligent gateways (supporting positioning and PLC protocols), data such as vehicle location positioning, vehicle operating status, vehicle fault status, and process information of special vehicles can be uploaded to the cloud platform. The Vehicle Management Platform realizes the management of vehicle location, status, operation, after-sales service, and dispatching, helping enterprises improve vehicle operation efficiency, reduce operating costs, and enhance service quality and safety.

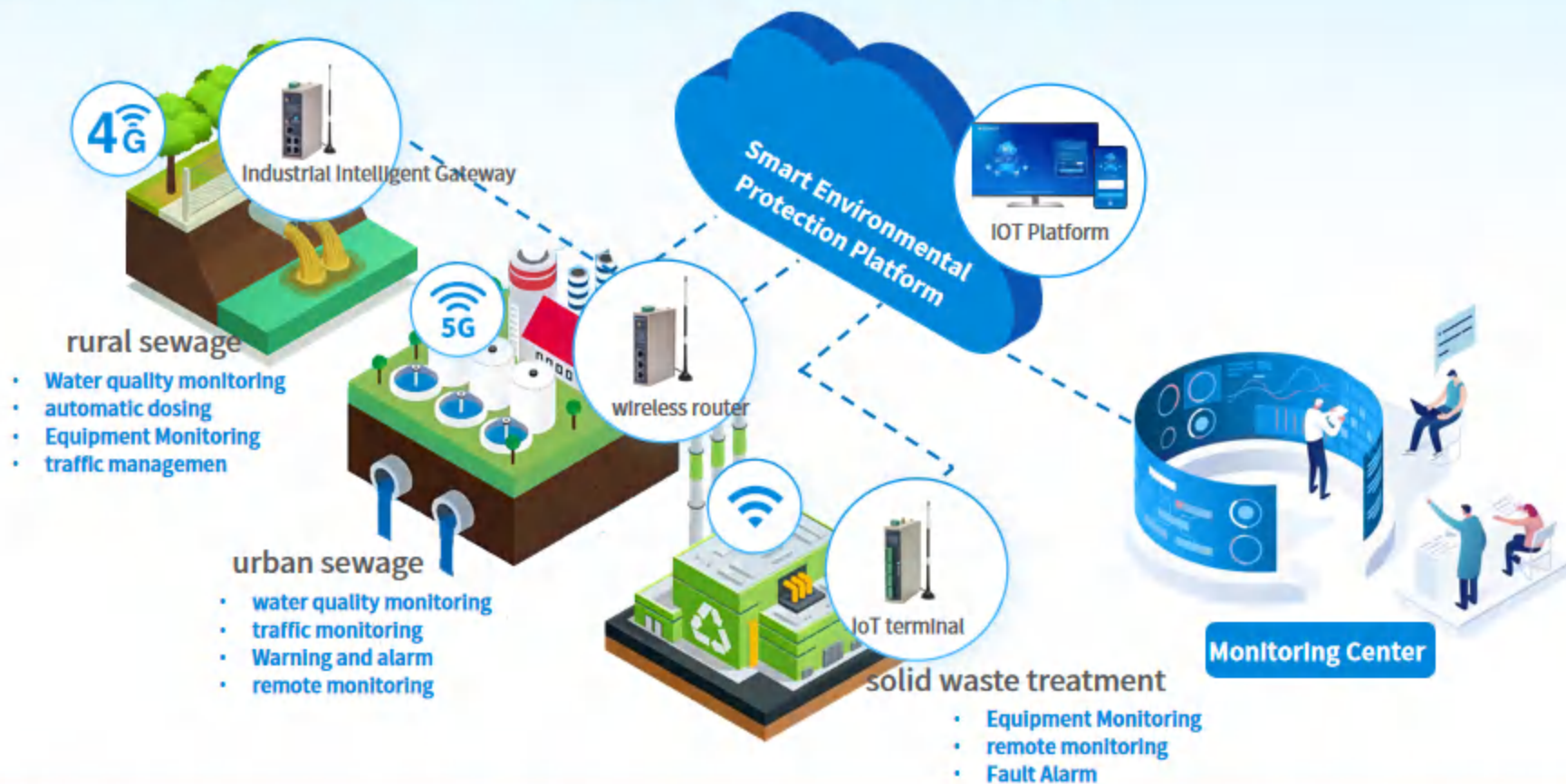
Smart Water Conservancy Monitoring



WideIoT's data terminals, RTU telemetry terminals & water conservancy intelligent gateways collect data from hydrological/water conservancy equipment & sensors, upload to cloud platform for remote monitoring/management. Promotes refined comprehensive water conservancy management, improves scientific decision-making & dispatching levels. Applied in reservoir safety monitoring, hydrological/water conservancy monitoring, urban flood control, irrigation area informatization.

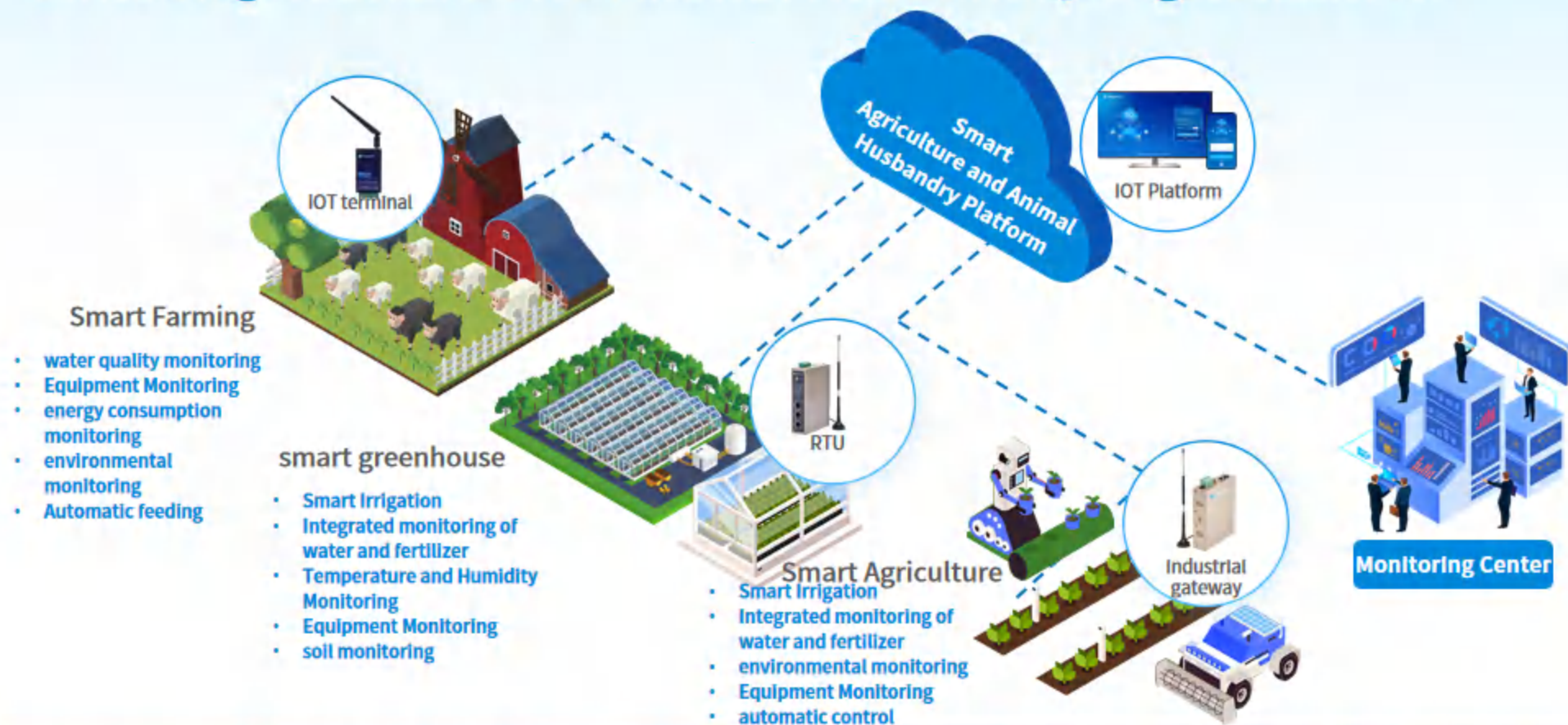
The Gateway Support General MQTT protocol for operation management cloud platform; water conservancy protocols (SL645, SL427, SZY206) for hydrological/water conservancy supervision platform.

Smart Environmental Protection Monitoring



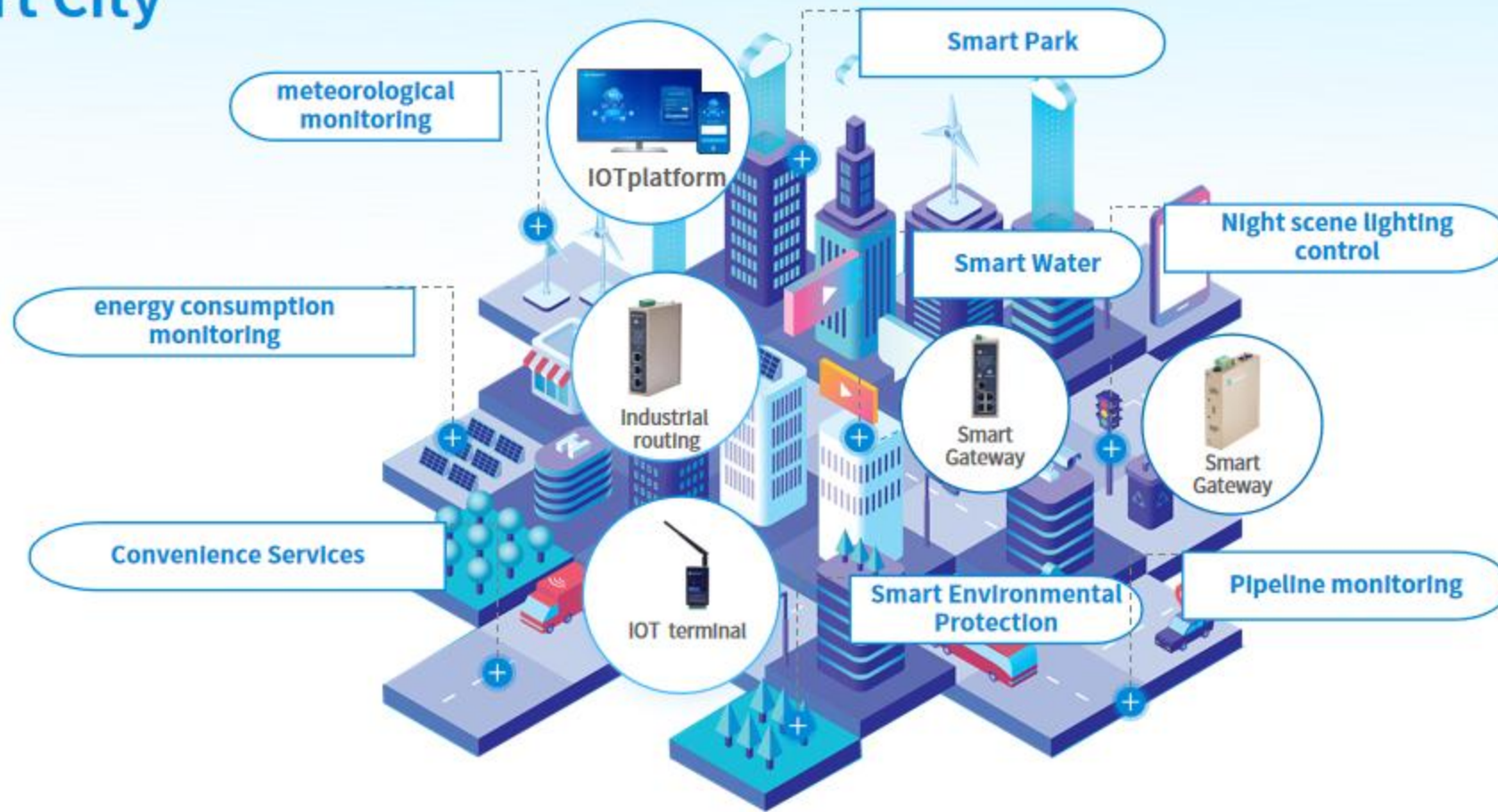
WideIoT's industrial intelligent gateways and wireless data acquisition terminals seamlessly connect to various environmental monitoring sensors, PLCs, and other environmental protection equipment. They collect equipment operating status and various environmental factors, and upload the data to the environmental protection monitoring platform (via HJ212 or MQTT protocols, etc.), realizing remote monitoring and management. This enhances the intelligence level of environmental protection monitoring and provides a scientific basis for environmental management and decision-making.

Smart Agriculture and Animal Husbandry Digitalization



Focusing on various links of agricultural and animal husbandry production (such as planting and breeding), WideIoT provides smart agricultural solutions including environmental monitoring, precision irrigation, and intelligent breeding. Through its data acquisition terminals, data acquisition gateways, and networking products, real-time agricultural and animal husbandry production data and environmental meteorological data are obtained. This helps farmers improve production efficiency, reduce O&M costs, and enhance the quality and output value of agricultural products.

Smart City



Through tools such as data acquisition, data transmission, data analysis, and O&M monitoring, and focusing on fields such as urban heating, water supply, cooling, gas supply, and urban lifelines, WideIoT realizes remote monitoring of various urban data, breaks data silos, and achieves intelligent management of urban operations. This improves urban governance efficiency and enhances the quality of life and well-being of urban residents.



Jointly seek digital development

for Intelligent Future



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