netvox® M2

Wireless Smoke Detector

Wireless Temperature Sensor

Wireless Monitoring and Control

Wireless Smoke Detector

Lighting Color Control

Zigbee to IR Adapter

Lighting Control

Wireless Siren

End Node Devices Remote Access Control

End Node Devices Remote Access Control

Curtain/ Roller Blind Control

Multi- Application System

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netvox®
Inspire the Next

LoRa Alliance™ Member

Internet of Things Total Solution

netvox® M2

**Cloud Computing Based**

WIRELESS Smart System

Interactive · Extensive · Intelligent · Complete

netvox IoT
Start your smart life

netvox M2 End-to-End IoT Total Solution

Mulitple gateway monitoring

- PC
- Android / iOS App

Cloud

Netvox Cloud

※1 IoT Data Engine

Cloud REST

Customer Cloud Server

Own Protocol

Customer App

IP Protocol :
MQTT / XMPP
TCP / UDP / HTTP

REST

※2 REST

REST

Multiple Gateways

Netvox Gateway 1
(206/207/207W/207B)

Netvox Gateway 2
(206/207/207W/207B)

※3 **3rd Party Gateway**

Netvox IoT Platform Package

Third-Party Gateway Implanted with Netvox IoT Platform
+
USB Dongle

Netvox Gateway N
(206/207/207W/207B)

Local Control

REST

▶ Mobile apps manage the devices under gateway with Wi-Fi connection

▶ To monitor and control devices managed by multiple gateways /networks through the cloud

Patents :
US patent no. US9860238B2 SMART REMOTE CONTROL SYSTEM
China patent no. ZL 2015 I 0209478. X可同时监控多地的智能监控系统
Taiwan patent no. M499015 可同時監控多地的智能監控系統
Taiwan patent no. I560659 支持消息推送的监管系统
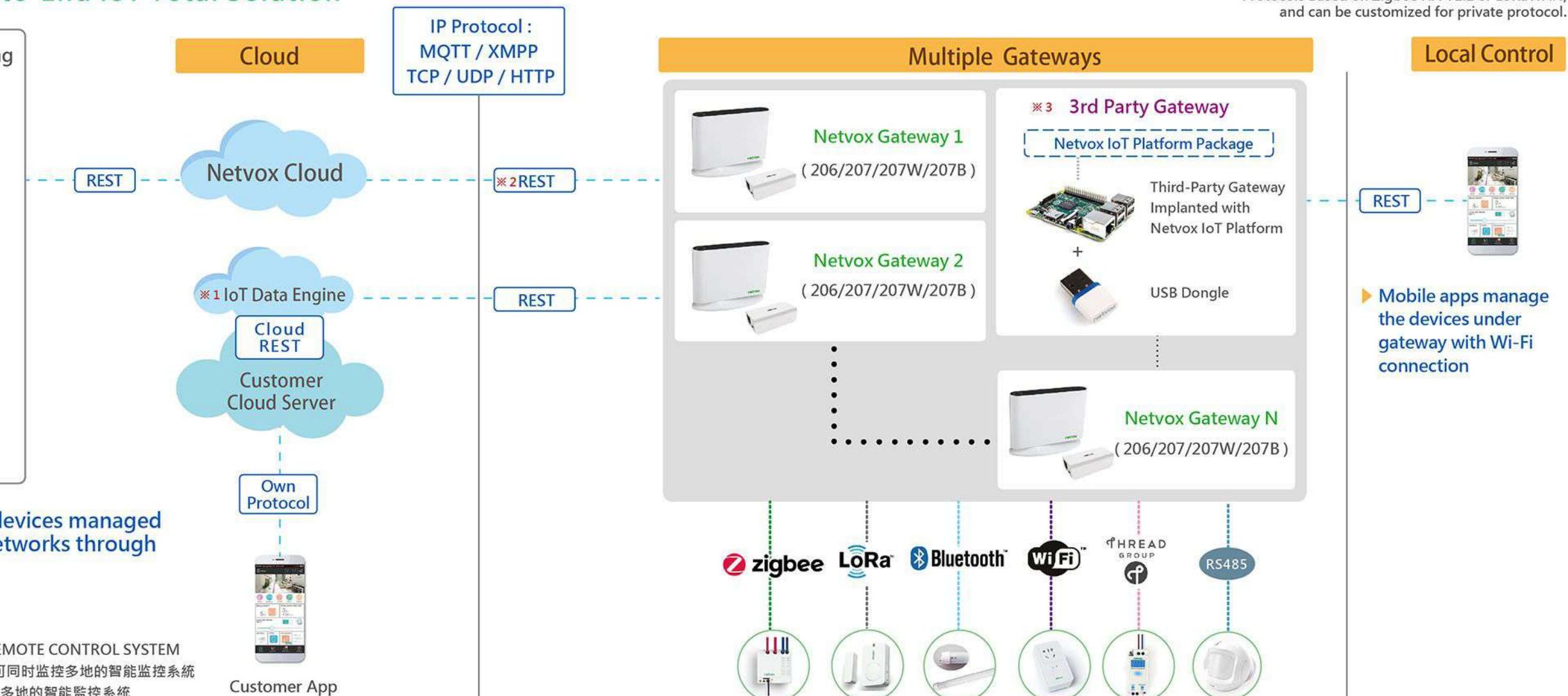
※1 **IoT Data Engine** For more effective third-party cloud integration through provided Cloud REST API.
※2 **REST API** For application integrators to develop their own IoT system and mobile app faster.
※3 **IoT Platform** For third-party gateways to control Netvox IoT devices.

zigbee LoRa™ Bluetooth™ WiFi™ THREAD GROUP RS485

Mulitple gateway monitoring platform functions :

1. Data Checking
2. Data Reporting
3. Centralized Alarm Management
4. Failure Reporting and Processing

WIRELESS SMART IoT System 02 03

Netvox M2 IoT System

LoRa Alliance Member

Protocols Based on Zigbee HA V1.2 or LoRaWAN, and can be customized for private protocol.

Netvox M2 system is based on the patented IoT-Based Multi-Network Management Platform that enables users to simultaneously monitor and control the IoT devices on many different sites from one app anytime, anywhere.

With Zigbee and Private LoRa devices supported in one network, Netvox M2 system is truly versatile for many applications e.g. Building Automation, Environmental Monitoring and Smart Manufacturing.

Users can create If-Then rules with multiple conditions from the app, and we are able to provide data access for users to retrieve their device big data from Netvox cloud server.

netvox® M2

The Very First Smart IoT System
Made for Shop Management in the World

Multi-Gateway Management

Fle Support on Third-Party Gateway

Multi-Network Compatibility (ZigBee & LoRa & WiFi)

500+ Netvox Multi-Functional IoT Devices

Friendly App/PC Interface
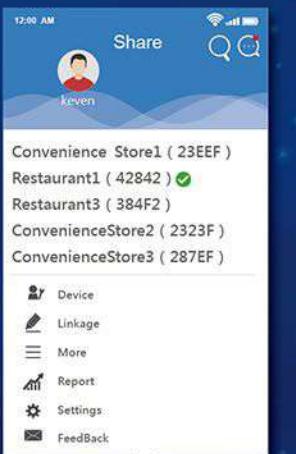
Support on Third-Party Cloud

Friendly App - Graphical Condition-Based Linkage Settings
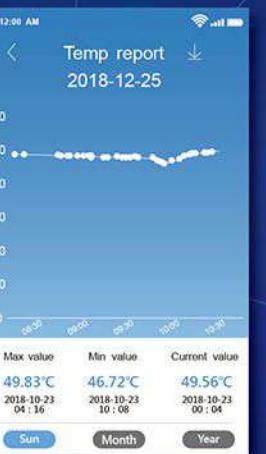
Stable Communication
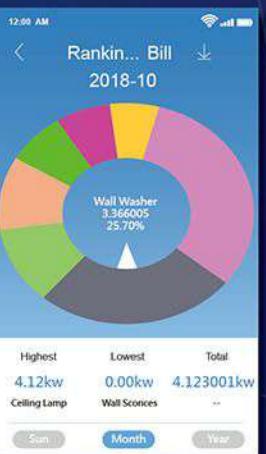
One App account can manage multiple shops by switching between gateways.

Create If-Then rules with multiple conditions.

Monitor the variation in temperature and humidity and analyze real-time data for temperature/humidity control.

Energy data is pushed to the cloud via gateway for ranking reports by days/ months / years / billing amount.

Netvox M2 Lite - On-Premise Private Cloud Total Solution

One-click Installation

Quick and Easy Set-up

Comprehensive Server

Cloud Management

The M2 Lite IoT Data Engine ported into customer's servers provides customers with more secure and flexible applications.

M2 Lite IoT Data Engine

M2 Lite IoT Data Engine is suitable for small field domains and private architecture. Customers do not need to purchase cloud services, such as AWS, or create their own cloud server. As long as they have a computer, they can install it with one click and immediately use Netvox's latest IoT system with web-based administrator system and M2 Apps.

Quick and Easy Set-up & One-click Installation

We will provide an authorized USB dongle with an installation file, and customers will prepare the hardware and operating system. In just a few steps, M2 Lite can be installed on the customer's computer. Customers can monitor the status of Gateways and collect data from Netvox IoT devices in a timely manner to save time and cost.

- A USB Dongle with an installation software package in it
- A one-click installation instruction Doc.
- Prepare the hardware and operating system
- Install the software with simple steps

After the installation is completed, it is an on-premise private cloud that ensures date security and prevents data loss caused by internet connection issues.

Pre-Installation

1. USB Dongle & One-click Installation Instruction Doc.

2. Hardware requirements
   - Intel or AMD 4-core CPU +
   - 16GB RAM +
   - 500GB HDD +
   - Static IP is required

3. Operating system
   - CentOS 7.5

Netvox IoT Data Engine

LoRa Alliance Member

Protocols Based on Zigbee HA V1.2 or LoRaWAN, and can be customized for private protocol.
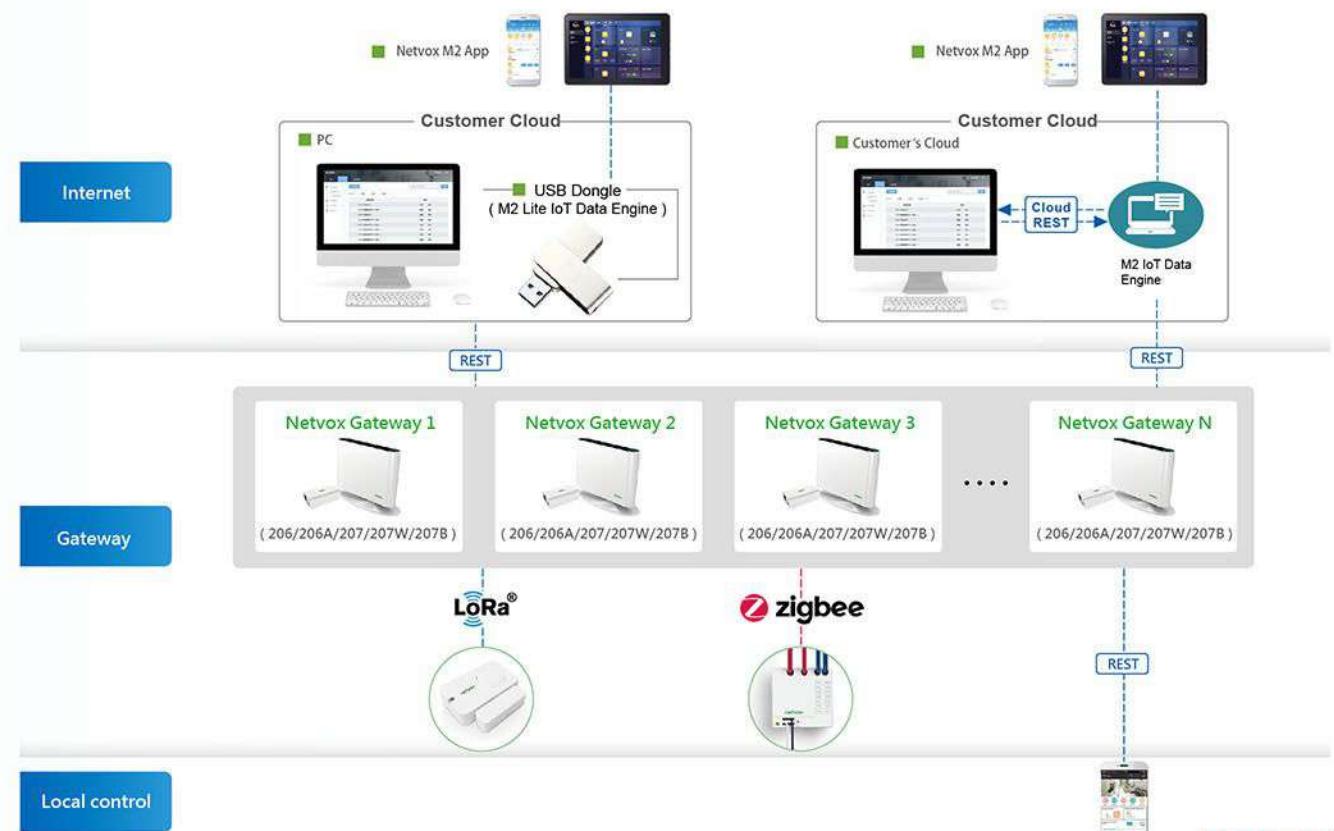
IoT Data Engine

If customers want to host their own IoT cloud services, Netvox sells license of Netvox IoT Data engine and Cloud REST API that allow customers to be an IoT service provider. After IoT Data Engine deployment, all data will be pushed to their cloud server without passing through Netvox cloud and thus ensures data security. In addition to apps, PC-based network management system will be available for control center monitoring. Cloud REST API will be available for customer to receive data through IoT Data Engine and develop an application.
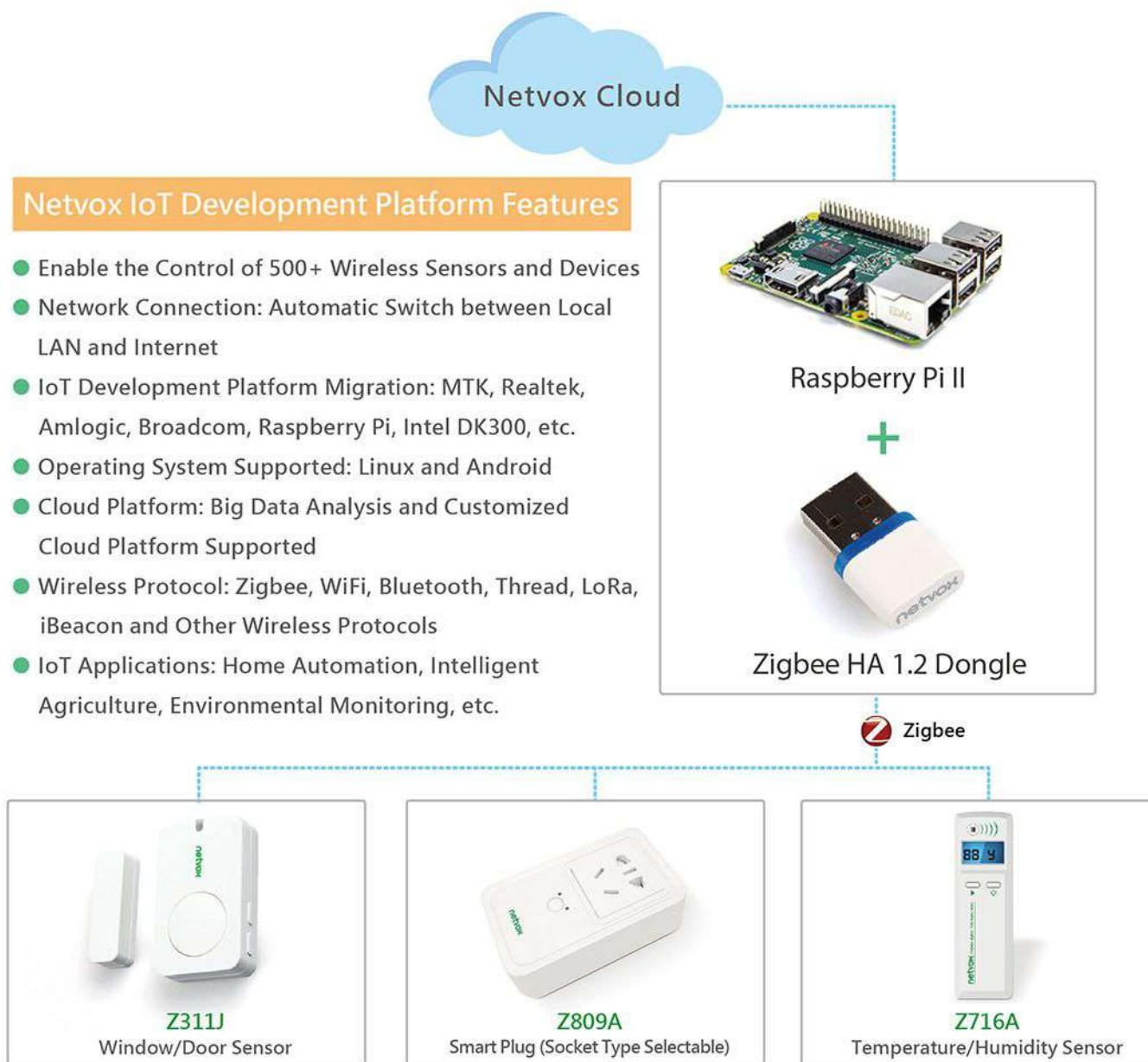
The IoT Data Engine ported into customer's servers

provides customers with Netvox M2 ready-to-use IoT applications for the management of cloud servers, gateways and Netvox IoT devices. Netvox IoT Data Engine aims to provide customers with system stability, security and scalability.
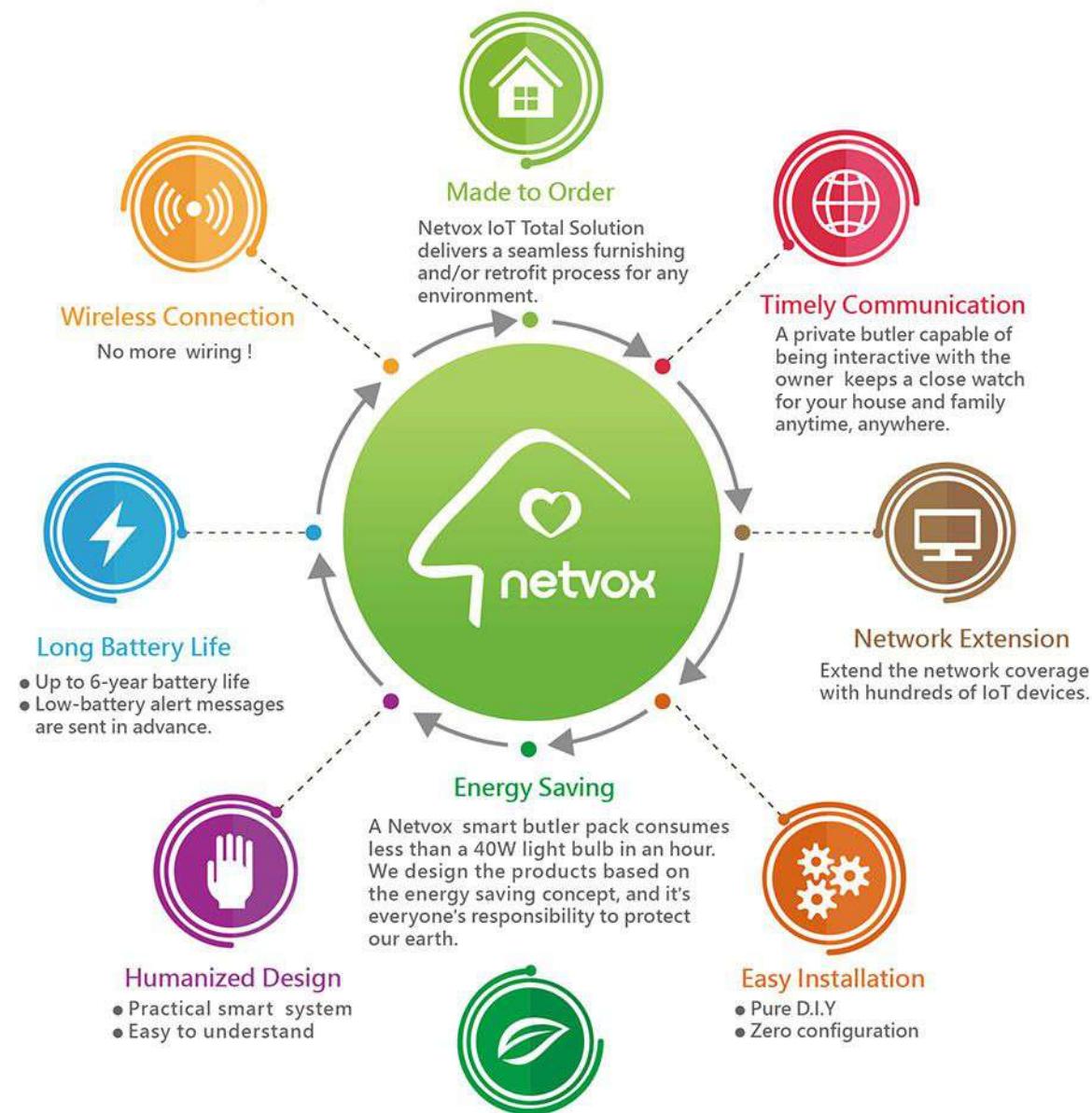
The communication architecture of the IoT data engine:

IoT Starter Kit

Cloud Computing Based
WIRELESS Smart System

Netvox Cloud

Netvox IoT Development Platform Features

- Enable the Control of 500+ Wireless Sensors and Devices
- Network Connection: Automatic Switch between Local LAN and Internet
- IoT Development Platform Migration: MTK, Realtek, Amlogic, Broadcom, Raspberry Pi, Intel DK300, etc.
- Operating System Supported: Linux and Android
- Cloud Platform: Big Data Analysis and Customized Cloud Platform Supported
- Wireless Protocol: Zigbee, WiFi, Bluetooth, Thread, LoRa, iBeacon and Other Wireless Protocols
- IoT Applications: Home Automation, Intelligent Agriculture, Environmental Monitoring, etc.

Raspberry Pi II

+

Zigbee HA 1.2 Dongle

Z Zigbee

Z311J
Window/Door Sensor

Z809A
Smart Plug (Socket Type Selectable)

Z716A
Temperature/Humidity Sensor

Wireless Connection
No more wiring !

Made to Order
Netvox IoT Total Solution delivers a seamless furnishing and/or retrofit process for any environment.

Timely Communication
A private butler capable of being interactive with the owner keeps a close watch for your house and family anytime, anywhere.

Long Battery Life
- Up to 6-year battery life
- Low-battery alert messages are sent in advance.

Network Extension
Extend the network coverage with hundreds of IoT devices.

Energy Saving
A Netvox smart butler pack consumes less than a 40W light bulb in an hour. We design the products based on the energy saving concept, and it's everyone's responsibility to protect our earth.

Humanized Design
- Practical smart system
- Easy to understand

Easy Installation
- Pure D.I.Y
- Zero configuration

Cloud Gateway R206A

- Wireless & Wi-Fi Connection
- Smart Management
- Accessible from Anywhere, Anytime

Wireless Devices

- 500+ Products
- Fully Zigbee HA Compatible
- Low Power Consumption
- Easy Installation

IP Cam

- Wireless IP Camera
- Remote Internet Monitoring
- 2-way Audio

IoT Gateway Intelligence

- IoT Platform
- HA Daemon / SDK / Cloud
- Agent Included
- Integrated with Your
- Modem / Set Top Box

IoT System

- Create Your Own Smart Services
- Create Your Own Cloud

APP

- iOS/ Android
- Portable Controller
- Smart Management

patent pending

Netvox Cloud Services

- Smart Monitoring
- Manage Home/Office Anytime, Anywhere

REST API

REST

- For Building Cloud
- For App Development
- Cost Effective

LoRa Alliance™ Member

Protocols Based on Zigbee HA V1.2 or LoRaWAN, and can be customized for private protocol.

LPWA Smart Shop Kit
A 24H Multi-Shop Manager

Cloud Home Gateway (R206A)

It is a private LoRa gateway that can also support Zigbee devices.

Wireless Water Leak Detector (R311W)

It will send an alert message to your application via gateway when either of the water sensors detects water leakage.

Wireless Vibration Sensor Rolling Ball Type (R718DA)

Installed on a mousetrap, it will send an alert message to your application when there is a catch to ensure timely disposal and save you the bother of checking the traps.

Wireless Door/ Window Sensor (R311A)

It will detect and send an alert message to your application about unexpected door/window activities by setting up rules in advance.

Wireless Temperature and Humidity Sensor (R718A)

It can be placed in a freezer and send an alert message to your application when the temperature or humidity is above or below the preset threshold.

1 Gateway and **4** Smart Devices

WIRELESS SMART IoT System 10 / 11

Netvox IoT Cloud Solution

【 A cloud platform customized to meet your needs 】

Private Cloud — We can deploy Netvox data collection engine into your cloud and provide Cloud Restful API for cutomers to design own UI.

Public Cloud — Or , we can provide Nevox cloud server.

REST

Netvox IoT Platform

- Cloud Agent
- Zigbee SDK
- HA Daemon
- CGIs
- HA Web

REST

Netvox IoT Total Solution - Gateway Solution

- Supermicro: E100
- MTK: RT6856
- Raspberry Pi
- Amlogic: AML8726
- MTK: MT7620A
- Realtek: RTL8196EU
- Intel: DK300
- Nexcom NIO100

Netvox IoT Solution

Protocols Based on Zigbee HA V1.2 or LoRaWAN, and can be customized for private protocol.

Indoor location
- Air Conditioning System Control
- Personnel Monitoring

Home Automation
- Power Monitoring
- Household Protection

Healthcare
- Emergency Equipment
- Medication Management

Agriculture Automation
- Environment Monitoring
- Watering Control

Smart Office
- PIR Motion Sensing
- Intelligent Light Dimming

Smart Exhibition
- Video Monitoring
- Atmosphere Adjustment

Smart Building
- Light Control
- Indoor Air Quality

IoT Access Control
- Video Surveillance
- Visitor Management

IoT Engine Room
- Power System
- Environment Control

Intelligent Retail
- Sensor-Based Security System
- Product Management

Netvox IoT Smart Agriculture

Cloud

Gateway
Z206/R206/R206A
Z207/R207

LoRa

RS485 Adapter
Humidity   Salinity   PH

FAN   Winch   PAD

Z831 Wireless Relay Switch

R718PB13
Wireless Soil Moisture Sensor

R72615
Wireless Outdoor CO2/ Temperature/Humidity Sensor

R718AB
Wireless Temperature and Humidity Sensor(-20°C-55°C)

RA0713
Wireless Soil Moisture Sensor

WFC5
Outdoor Camera

Solar Insect traps

Simple structure: Only one control center is connected to internet via Ethernet, WiFi or 3G / 4G. It replaces PC and PLC to perform timing and other correlation control.

Device monitoring: current / voltage / operating status monitoring.
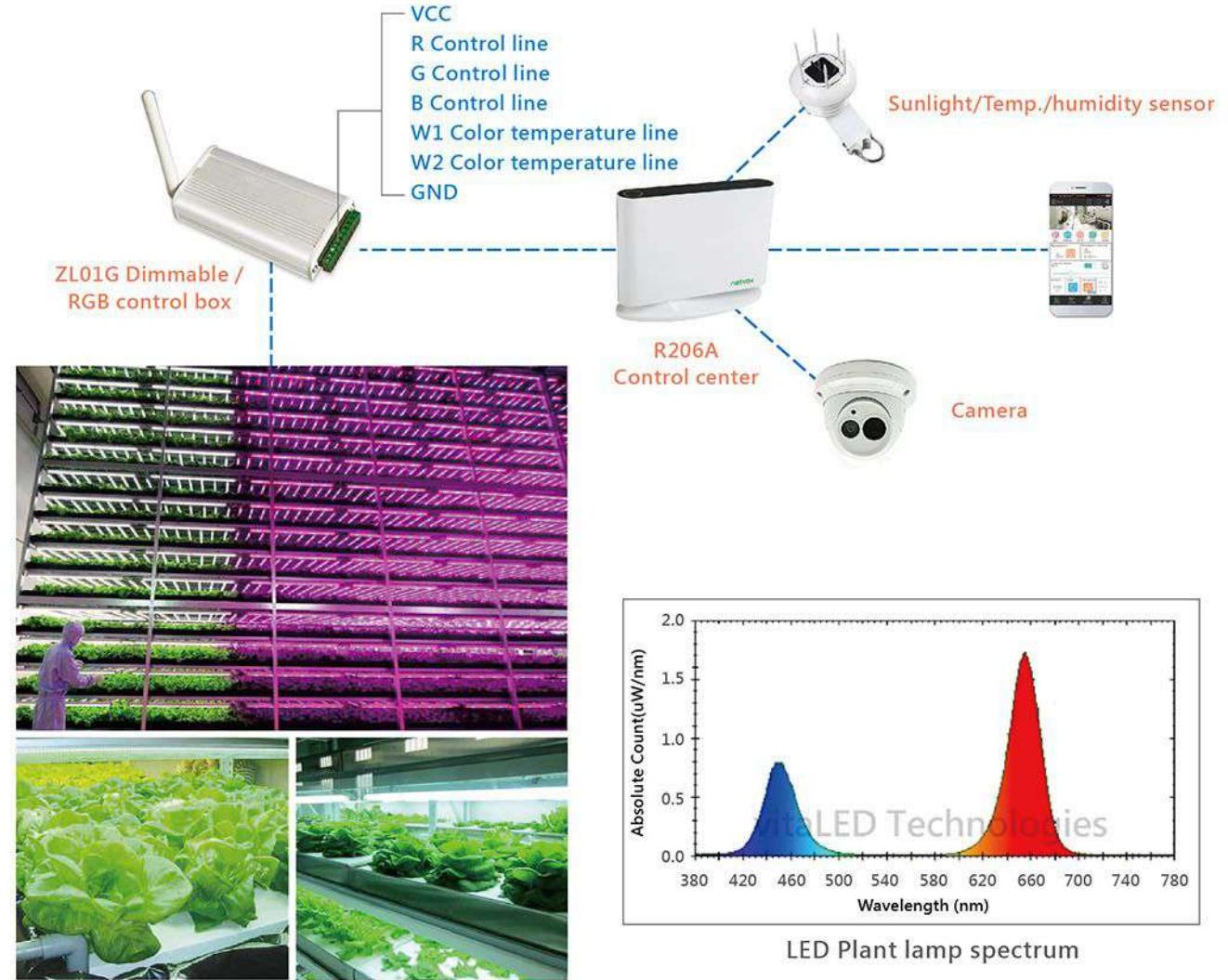
Remote monitoring: Monitor multiple greenhouses and farms simultaneously, and crop conditions can be observed and recorded with images.

High mobility: With fewer wires,the devices can be placed anywhere to save space.

Automatic scene adjustments: Make adjustments according to the season, climate, specific factors (flood, drought) and different environment.

Netvox IoT Plant Factory

【ZL01G】 is a Zigbee dimmable / RGB control box working with RGB lamps and light strips. It can communicate with end devices through Zigbee network. There are two power supplies, DC12V and 24V. ZL01G can control V+ input RGB panels / lamps, and control RGB colors and brightness.

VCC
R Control line
G Control line
B Control line
W1 Color temperature line
W2 Color temperature line
GND

Sunlight/Temp./humidity sensor

ZL01G Dimmable / RGB control box

R206A Control center

Camera

LED Plant lamp spectrum

Netvox IoT Home Automation

Surveillance System
Pair devices and set up arming/disarming security system to prevent theft and accident.

Door / Window Control
Intelligent curtain, door lock and security devices for real-time control

IP Cam Monitoring
Real-time IP camera monitoring that alerts you in time.

Elderly Care
Keep track of the location of elders, children and staff to prevent emergency.

Energy Managment
Devices send power consuming notifications and automatically turn off to save energy.

Remote Control
Remotely control the smart devices at home via Android/iOS application.

IF-Then Rules
Every device has its own unique feature and function but works with each other based on if-then rules.

Messaging / Alarm System
You can be informed by application, text messages or phone call when there is an event.

Scenario Mode Control
Press one button to turn on the radio, DVD and home theater all at once with scene settings.

Watering Automation
Control the farming or gardening system via application or with a timer

Timed Device Control
To control devices or execute a specific rule, simply set up a regular or delayed time-based rule.

Light Control
Switch on/off or dim lights with control panel and scene settings.
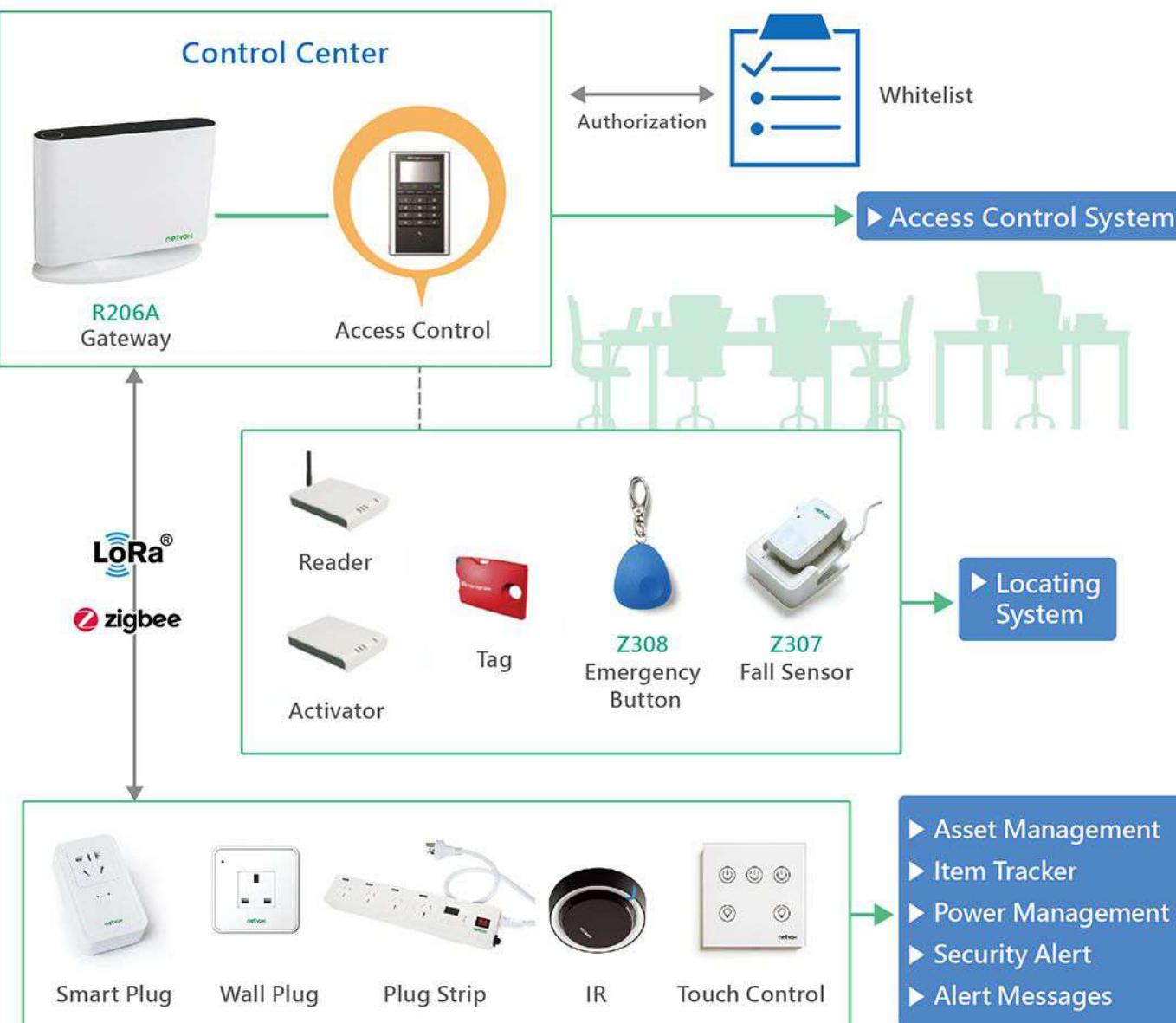
Community Security
Notify your neighbor or close ones when there is an emergency so they can react in time.
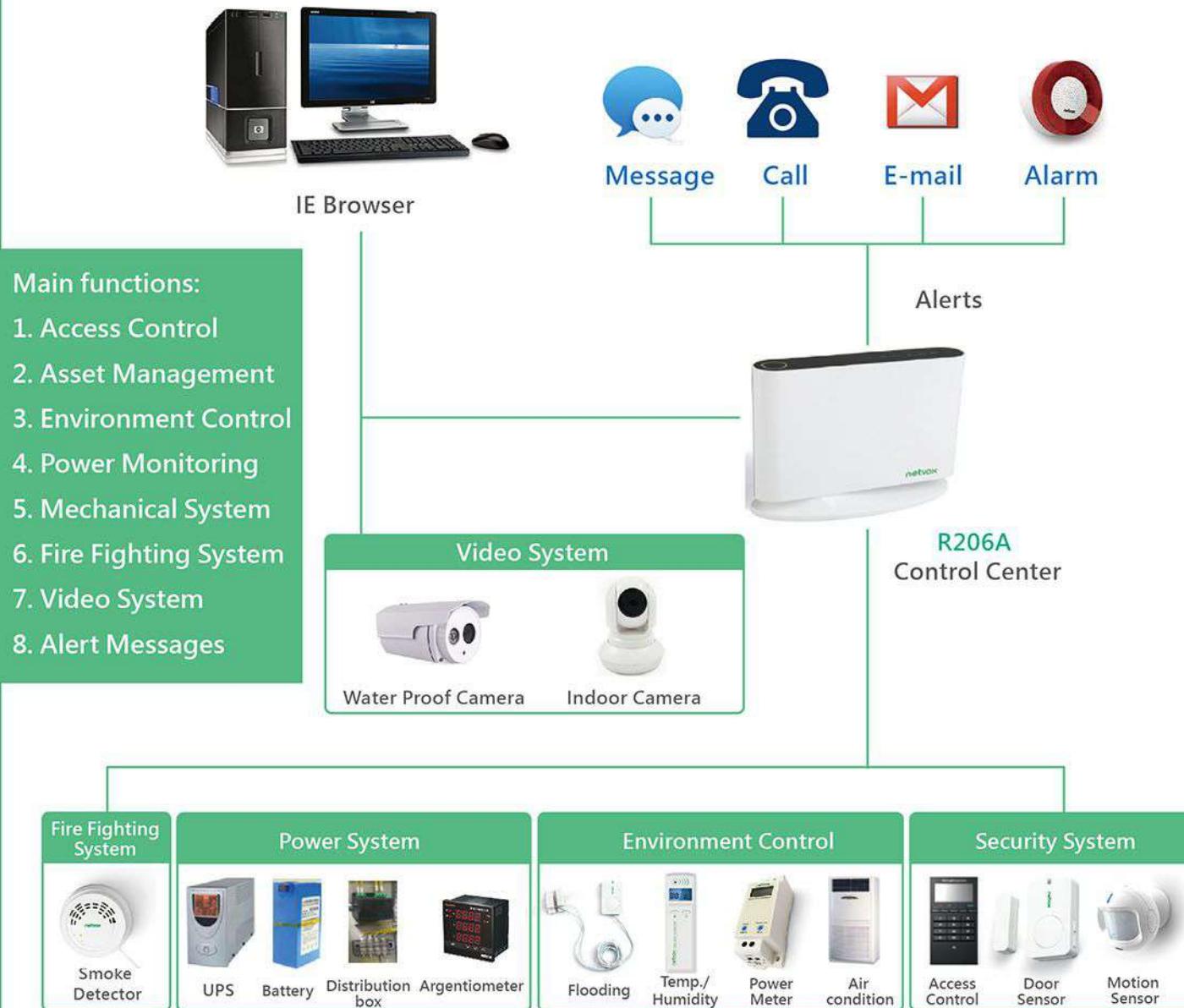
Netvox IoT Smart Office
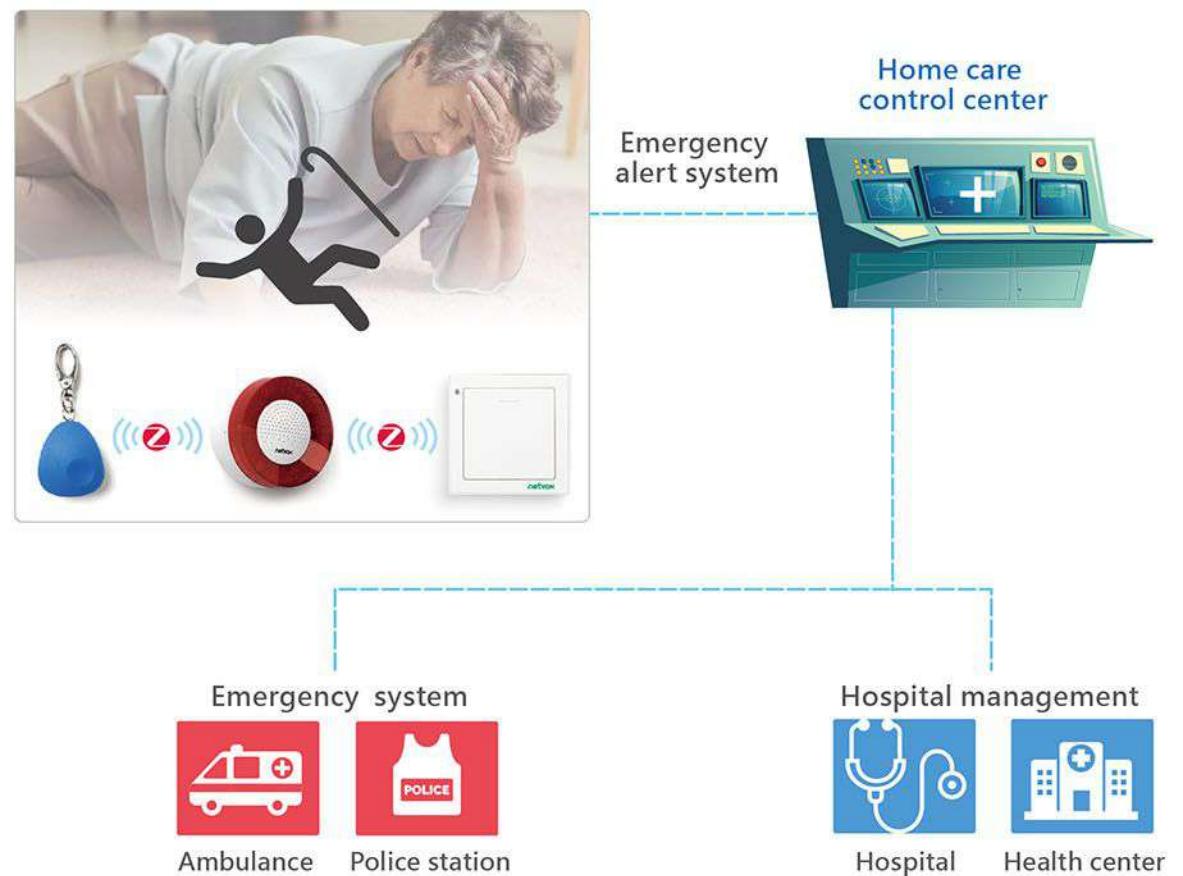
Control Center

R206A Gateway

Access Control

Authorization — Whitelist

▶ Access Control System

LoRa®

zigbee

Reader

Activator

Tag

Z308 Emergency Button

Z307 Fall Sensor

▶ Locating System

Smart Plug   Wall Plug   Plug Strip   IR   Touch Control

▶ Asset Management
▶ Item Tracker
▶ Power Management
▶ Security Alert
▶ Alert Messages

WIRELESS SMART IoT System 16/17

Netvox IoT Integrated Data Center

IE Browser

Message   Call   E-mail   Alarm

Alerts

Main functions:
1. Access Control
2. Asset Management
3. Environment Control
4. Power Monitoring
5. Mechanical System
6. Fire Fighting System
7. Video System
8. Alert Messages

R206A Control Center

Video System
Water Proof Camera   Indoor Camera

Fire Fighting System
Smoke Detector

Power System
UPS   Battery   Distribution box   Argentiometer

Environment Control
Flooding   Temp./Humidity   Power Meter   Air condition

Security System
Access Control   Door Sensor   Motion Sensor

Netvox IoT Emergency Notification

LoRa Alliance™ Member
Protocols Based on Zigbee HA V1.2 or LoRaWAN, and can be customized for private protocol.

Home care control center

Emergency alert system

Emergency system
Ambulance   Police station

Hospital management
Hospital   Health center

- Detect emergency situations using the fall sensor and wearable panic button
- Transmit emergency responses via Zigbee
- Send out alert notifications as soon as emergency situations occur

- Provide immediate assistance
- 24H caregivers

LoRa Gateway & Security System

R206 Wireless IoT Controller that supports RTC and WiFi (DC-powered)

R206A Wireless Dual-Mode IoT Controller that supports RTC and WiFi (DC-powered)

R207 Wireless IoT Controller (DC-powered)

R311A
Wireless Door/Window Sensor

R311CA
Wireless 2-Input Dry Contact Interface

R311CB
Wireless Window Sensor with Glass Break Detector

R311CC
Wireless 2-Gang Door/Window Sensor

R311DA/R311DB
Wireless Vibration Sensor (Rolling Ball / Spring Type)

R311FA
Wireless Activity Detection Sensor

R311W
Wireless 2-Gang Water Leak Detector

LoRa Security System

R312A
Wireless Emergency Button

R313A
Wireless Door/Window Sensor

R313CA
Wireless 2-Input Dry Contact Interface

R313CB
Wireless Window Sensor with Glass Break Detector

R313CC
Wireless 2-Gang Door/Window Sensor

R313DA
Wireless Vibration Sensor Rolling Ball Type

R313DB
Wireless Vibration Sensor Spring Type

R313FA
Wireless Activity Detection Sensor

R313MA
Wireless Emergency Button

WIRELESS SMART IoT System 20 21

LoRa Security System

LoRa Security System

Protocols Based on Zigbee HA V1.2 or LoRaWAN, and can be customized for private protocol.

R313W
Wireless 2-Gang
Water Leak Detector

R602A
Wireless Siren

R718DA
Wireless Vibration Sensor
Rolling Ball Type

R718DA2
Wireless 2-Gang Vibration
Sensor Rolling Ball Type

R718DB
Wireless Vibration Sensor

R718DB2
Wireless 2-Gang Vibration
Sensor

R718F
Wireless Reed Switch Open/
Close Detection Sensor

R718LB
Wireless Hall Type Open/
Close Detection Sensor

R718F2
Wireless 2-Gang Reed Switch
Open/Close Detection Sensor

R718LB2
Wireless 2-Gang Hall Type
Open/Close Detection Sensor

R718J
Wireless Dry Contact
Interface

R718J2
Wireless 2-Input Dry
Contact Interface

R718MBA
Wireless Activity Detection
Sensor

R718WA
Wireless Water Leak
Detector

R718WA2
Wireless 2-Gang Water
Leak Detector

R718WB
Wireless Water Leak
Detector with Rope Sensor

R718WB2
Wireless 2-Gang Water Leak
Detector with Rope Sensor

R718WBA
Wireless Water Leak Detector
with Temperature and
Humidity Sensor

R718WE
Water Leak Detection &
Location Sensor

R720B
Wireless Temperature
and Humidity Sensor with
Activity Detection Sensor

RA02A
Wireless Smoke Detector

RA02C
Wireless CO Detector

RA07W
Wireless Water Leak
Detection and Location
Sensor

RB02I
Wireless Emergency
Push Button

RB11E
Wireless Occupancy/ Light/
Temperature Sensor

LoRa Environmental Monitoring

R711
Wireless Temperature
and Humidity Sensor

R712
Wireless Outdoor Temperature
and Humidity Sensor

R718AD
Wireless Temperature
Sensor (DS18B20)

R718A
Wireless Temperature and Humidity
Sensor For Low Temperature
Environment

R718AB
Wireless Temperature and
Humidity Sensor

R718B
Wireless Temperature
Sensor (PT1000)

R718B2
Wireless 2-Gang
Temperature Sensor (PT1000)

R718B4
Wireless 4-Gang
Temperature Sensor

R718CK/CT
Wireless Thermocouple
Sensor-Type K / T

LoRa Environmental Monitoring

R718CK2/CT2
Wireless 2-Gang Thermocouple
Sensor-Type K / T

R718PB13
Wireless Soil Moisture Sensor

R718PB14
Wireless Soil Moisture/
Temperature/Electrical
Conductivity Sensor

R718PB15
Wireless Soil Moisture/
Temperature/Electrical
Conductivity Sensor

R718PB15A
Wireless Soil Moisture /
Temperature / Electrical
Conductivity Sensor with a
Waterproof Housing

R718PC
Wireless RS485 Adapter
(DC-powered)

LoRa Environmental Monitoring

R718PA2 Wireless NO Sensor (DC-powered)
R718PA4 Wireless H2S Sensor (DC-powered)
R718PA7 Wireless Noise Sensor (DC-powered)

R718PA3 Wireless O3 Sensor (DC-powered)
R718PA5 Wireless NO2 Sensor (DC-powered)
R718PA6 Wireless SO2 Sensor (DC-powered)

R718PDA
Wireless RS232 Adapter
(DC-powered)

R718R2 Wireless NO Sensor
R718R3 Wireless O3 Sensor
R718R4 Wireless H2S Sensorr
R718R5 Wireless NO2 Sensor
R718R6 Wireless SO2 Sensor
R718R21 Wireless Ammonia Sensor

R720A
Wireless Temperature and Humidity
Sensor For Low Temperature

R720C
Wireless Air Pressure and
Temperature Sensor

R720D
Wireless Temperature Sensor

R720E
Wireless TVOC Sensor

R72615A
Wireless CO2/Temperature
/Humidity Sensor

R72616A
Wireless PM2.5/Temperature
/Humidity Sensor

LoRa Environmental Monitoring

R72615
Wireless Outdoor CO2/
Temperature/Humidity Sensor
with Solar Panel

R72616
Wireless Outdoor PM2.5/
Temperature/Humidity Sensor
with Solar Panel

R72623
Wireless Outdoor PM2.5/
Noise/Temperature/Humidity
Sensor with Solar Panel

R72624
Wireless Outdoor Noise/
Temperature/Humidity
Sensor with Solar Panel

RA0716Y
Wireless Outdoor PM2.5/
Temperature/Humidity Sensor
(DC-powered)

RA0723Y
Wireless Outdoor PM2.5/
Noise/Temperature/
Humidity Sensor

RA0715Y
Wireless Outdoor CO2 /
Temperature / Humidity Sensor

RA0724Y
Wireless Outdoor Noise /
Temperature / Humidity Sensor

LoRa Environmental Monitoring

RA0701
Wireless CO Sensor
(DC-powered)

RA0708
Wireless Water pH Sensor
(DC-powered)

RA0710
Wireless Water Turbidity Sensor
(DC-powered)

RA0711
Wireless Water Level Sensor
(DC-powered)

RA0713
Wireless Soil Moisture Sensor
(DC-powered)

RA0715
Wireless CO2/Temperature/Humidity
Sensor (DC-powered)

RA0716
Wireless PM2.5/Temperature/Humidity
Sensor (DC-powered)

LoRa Smart Building

R211
Wireless IR Blaster
(DC-powered)

R311B / R311G
Wireless Light Sensor

R311D
Wireless Asset Sensor

R311WA
Wireless 2-Gang Seat
Occupancy Sensor

R312
Wireless Door Bell Button

R313B
Wireless Light Sensor

R313D
Wireless Asset Sensor

R313G
Wireless Light Sensor

LoRa Smart Building

R313M
Wireless Door Bell Button

R313WA
Wireless 2-Gang Seat
Occupancy Sensor

R718G
Wireless Light Sensor

R718MA
Wireless Asset Sensor

RB02B
Wireless 2-Gang Push Button

RB02C
Wireless 3-Gang Push Button

R831
Wireless Multi-Functional
Control Box - 3-Gang Dry Contact
and 3-Gang Relay

Smart Toilet

R718PQ
Wireless Short-Range
Occupancy Sensor

Smart Toilet

R718PQA
Wireless Toilet Occupancy
Sensor

LoRa Smart Building

Smart Toilet

R718VA
Wireless Capacitive Proximity
Sensor

Smart Toilet

R718VB
Wireless Capacitive Proximity
Sensor

Energy Management

R809A
Wireless Plug-and-Play Power
Outlet with Consumption Monitoring

Energy Management

R809A01
Wireless Plug-and-Play Power Outlet
with Consumption Monitoring and
Power Outage Detection

Energy Management

R816B
Wireless Wall-Mounted Power
Socket with Consumption
Monitoring

Energy Management

R816B01
Wireless Wall-Mounted Power
Socket with Consumption Monitoring
and Power Outage Detection

LoRa Smart Factory

LoRa Alliance Member

Protocols Based on Zigbee HA V1.2 or LoRaWAN, and can be customized for private protocol.

R311FB Wireless Activity Event Counter
R311FC Wireless Activity Timer

R313FB Wireless Activity Event Counter
R313FC Wireless Activity Timer

R718E
Wireless Accelerometer and Surface Temperature Sensor

R718H
Wireless Pulse Counter Interface

R718H2
Wireless 2-Input Pulse Counter Interface

R718H4
Wireless 4-Input Pulse Counter Interface

R718IA
Wireless 0-5V ADC Sampling Interface

R718IB
Wireless 0-10V ADC Sampling Interface

R718KA
Wireless mA Current Meter Interface

R718IA2
Wireless 2-Input 0-5V ADC Sampling Interface

R718IB2
Wireless 2-Input 0-10V ADC Sampling Interface

R718KA2
Wireless 2-Input mA Current Meter Interface

R718IJK
Wireless Multi-Sensor

R718MBB Wireless Activity Event Counter
R718MBC Wireless Activity Timer

R718N1
Wireless 1-Phase Current Meter (1x30A Solid Core CT)

R718N13
Wireless 1-Phase Current Meter (1 x 30A Clamp-On CT)

R718N17
Wireless 1-Phase Current Meter (1x75A Clamp-On CT)

R718N115
Wireless 1-Phase Current Meter (1x150A Clamp-On CT)

R718N125
Wireless 1-Phase Current Meter (1x250A Clamp-On CT)

R718N163
Wireless 1-Phase Current Meter (1x630A Clamp-On CT)

R718N3
Wireless 3-Phase Current Meter (3x60A Solid Core CT)

LoRa Smart Factory

LoRa Alliance™ Member

Protocols Based on Zigbee HA V1.2 or LoRaWAN, and can be customized for private protocol.

R718N37
Wireless 3-Phase Current Meter
(3x75A Clamp-On CT)

R718N315
Wireless 3-Phase Current Meter
(3x150A Clamp-On CT)

R718N325
Wireless 3-Phase Current Meter
(3x250A Clamp-On CT)

R718NL163
Wireless Light Sensor and 1-Phase
Current Meter (1 x 630A Clamp-On CT)

R718NL3
Wireless Light Sensor and 3-Phase
Current Meter (3 x 60A Solid Core CT)

R718NL37
Wireless Light Sensor and 3-Phase
Current Meter (3 x 75A Clamp-On CT)

R718N363
Wireless 3-Phase Current Meter
(3x630A Clamp-On CT)

R718NL1
Wireless Light Sensor and 1-Phase
Current Meter (1 x 30A Solid Core CT)

R718NL13
Wireless Light Sensor and 1-Phase
Current Meter (1 x 30A Clamp-On CT)

R718NL315
Wireless Light Sensor and 3-Phase
Current Meter (3 x 150A Clamp-On CT)

R718NL325
Wireless Light Sensor and 3-Phase
Current Meter (3 x 250A Clamp-On CT)

R718NL363
Wireless Light Sensor and 3-Phase
Current Meter (3 x 630A Clamp-On CT)

R718NL17
Wireless Light Sensor and 1-Phase
Current Meter (1 x 75A Clamp-On CT)

R718NL115
Wireless Light Sensor and 1-Phase
Current Meter (1 x 150A Clamp-On CT)

R718NL125
Wireless Light Sensor and 1-Phase
Current Meter (1 x 250A Clamp-On CT)

R718PA22
Wireless Bottom-Mounted
Ultrasonic Liquid Level Sensor

R718T
Wireless Push Button
Interface

R718T2
Wireless 2-Input Push
Button Interface

LoRa Smart City

LoRa R730 Series

LoRa Alliance Member

Protocols Based on Zigbee HA V1.2 or LoRaWAN, and can be customized for private protocol.

R311K
Wireless Tilt Sensor

R313K
Wireless Tilt Sensor

R718EA
Wireless Tilt Angle and Temperature Sensor

R718X
Wireless Waste Bin Sensor

R719
Wirelessly Surface- Mounted Parking Sensor

R735
Wireless In-Ground Parking Sensor

R730CX/CX2 Wireless Thermocouple Temperature sensor（1/2-Gang）
R730DA/DA2 Wireless Vibration Sensor, Rolling Ball Type(1/2-Gang)
R730DB/DB2 Wireless Vibration Sensor, Spring Type(1/2-Gang)
R730F/F2 Wireless Reed Switch Open/Close Detection Sensor(1/2-Gang)
R730H/H2 Wireless Pulse Counter Interface(1/2-Input)
R730IA/IA2 Wireless 0-5V ADC Sampling Interface(1/2-Input)
R730IB/IB2 Wireless 0-10V ADC Sampling Interface(1/2-Input)
R730J/J2 Wireless Dry Contact Interface(1/2-Input)
R730KA/KA2 Wireless mA Current Meter Interface, 4~20mA(1/2-Input)
R730LB/LB2 Wireless Hall Type Open/Close Detection Sensor (1/2-Input)
R730E Wireless Accelerometer and Surface Temperature Sensor

R730MA Wireless Asset Sensor
R730MBA Wireless Activity Detection Sensor
R730MBB Wireless Activity Event Counter
R730MBC Wireless Activity Timer
R730T/T2 Wireless Push Button Interface(1/2-Input)
R730WA/WA2 Wireless Water Leak Detector(1/2-Gang)
R730WB/WB2 Wireless Water Leak Detector with Rope Sensor (1/2-Gang)
R730WD Wireless Liquid Level Sensor
R730G Wireless Light Sensor

Create your own IoT Smart Living platform fast

Zigbee Intelligent Safeguard Systems

Z311A
Wireless Window Sensor

Z311E
Wireless Asset Tag

Z311J
Wireless Window Sensor,
IAS & On/Off Clusters Supported

Z312
Wireless Door Bell Button

Z311S
Wireless Infrared Motion Sensor
with Quad Beam Detector

W313
WiFi Window/Intrusion Sensor

Z311C
Wireless Window Sensor with
Glass Break Detector

ZB02J
Wireless 3 Scene& Mode Selector

Z311W
Wireless Flood / Water Sensor

Zigbee Intelligent Safeguard Systems

patented

ZB11A/B/C/D
A : Wireless Motion Detector
B : Wireless Motion Detector with
    Photo Sensor
C : Wireless Motion Detector with
    Photo and Temp Sensor
D : Wireless Occupancy Sensor

patented

Z602A/B
A : Wireless Siren
B : Wireless Siren with
    GSM Connectivity

WFC1
P2P Wireless Indoor IP Camera,
Pan-Tilt & 2-Way Audio

WFC2
P2P Wireless Outdoor Dome
IP Camera, PTZ & 2-Way Audio

WFC3
P2P Wireless Indoor IP Camera,
Pan-Tilt & 2-Way Audio

WFC4
P2P Wireless Outdoor HD
IP Camera

WFC5
P2P Wireless Outdoor HD POE
IP Camera, Pan-Tilt

WFC6
P2P Wireless Indoor HD
IP Camera, 2-Way Audio

Zigbee Intelligent Safeguard Systems

ZB02E/I

E : Wireless Door Bell Button
I : Emergency Push Button

ZA10

Wireless Gas / Water Keeper

Z307 / A201

Wireless Rechargeable Fall Sensor

ZB01A/B/C/D

A : Wireless Motion Detector
B : Wireless Motion Detector
  + Photo Sensor
C : Wireless Motion Detection
  + Photo Sensor
  + Temperature Sensor
D : Wireless Occupancy Sensor

Z308

Wireless Wearable Presence
Tag + Panic Button

ZA01A/C

A : Air Pollution Detector
C : CO Detector

ZA01B/D

Wireless Gas Detector
B : Gas
D : Liquefied Petroleum Gas

ZA02A/C

A : Smoke Detector, Battery Powered
C : CO Detector,Battery Powered

Zigbee Intelligent Safeguard Systems

Protocols Based on Zigbee HA V1.2 or LoRaWAN,
and can be customized for private protocol.

ZA02B/D

B : Gas Detector
D : Liquefied Petroleum Gas Detector

ZA02E/F

E : Smoke Detector/ Photoelectric,
  AC Powered
F : Smoke Detector/ Photoelectric,
  DC Powered

Z801WLS

Wireless Flood / Water Sensor

Z801TXB

Wireless Pulse Signal Detector
with 5 Extended Security Zone

Z801T03A

Wireless Scene Selector

Z831

Wireless Multifunctional
Control Box

Zigbee Intelligent Safeguard Systems

ZB05A
Wireless Electronic Door Lock
(Fingerprint/ Access Code/ RFID
Card/ Mechanical Override Key)

ZB07
Wireless Electronic Door Lock
(Fingerprint/ Access Code/ RFID Card/ Remote
Control/ Mechanical Override Key)

ZB08
Wireless Electronic Door Lock
(Fingerprint/ Access Code/ Remote Control/
Mechanical Override Key)

Z825L
+
Building Intercom System
Six Way Scene Selector with
RS485 Interface + Building
Intercom System

Zigbee Energy Management

Protocols Based on Zigbee HA V1.2 or LoRaWAN,
and can be customized for private protocol.

Z803
Wireless Power Strip
with Power Meter
and USB Charger

patented

Socket Type Selection

AU/CN type **I**   UK type **G**

US type **B**   EU type **F**

Z805B
Wireless RX Switch Module
with Power Monitor

Z808A/B
A : Power Plug with Power
Meter and USB Charger
B : Power Plug with Dimmer,
Power Meter and
USB Charger

patented

Z809AH
Wireless Power Plug with
Power Meter (16A)

Z809AW
Wireless Power Plug with
Power Meter (10A)

Z809G

Z809C/G
C : Wireless Plug and Play
Repeater with Backup
Battery
G : Wireless Plug and Play
Repeater

Z809A/B
A : Wireless Power Plug
with Power Meter
B : Wireless Dimmable Power
Plug with Power Meter

patented

Z821
Wireless Multi-Channel
Energy Power Meter

patented

Zigbee Energy Management

Z816B
U.S.Type Wall Socket
with Power Meter

Z816F
Schuko Type Wall Socket
with Power Meter

Z816G
UK Type Wall Socket
with Power Meter

Z816H
China Type Wall Socket
with Power Meter

patent pending

Z816I
Wireless Wall Mounted
One Gang Power Socket
with Power Meter, China Type

Z815G
US Type Wall Switch
with Power Meter

Z815H
US Type Dimmer Wall Switch
with Power Meter

patented

Z815A
One Gang Wall Switch
with Power Meter
EU / CN / UK

Z815C
Three Gang Wall Switch
with Power Meter
EU / CN / UK

Zigbee Energy Management

patent pending

Z815B/D
B : Wireless Wall Mounted
Two Gang Power Switch
with Power Meter,
Fit with 86*86 Wall Box
D : Wireless Wall Mounted
One Gang Dimmer Switch
with Power Meter, Fit
with 86*86 Wall Box

patent pending

Z815E
Wireless Wall Mounted
Two Gang Dimmer Switch
with Power Meter, Fit
with 86*86 Wall Box

Z800
Wireless Power Plug
with Power Monitoring

Z805A
EU Type Wireless In-wall
Switch Module with
Power Meter

Z810B
Wireless Load Control 2T
with LCD Power Monitor

Z817A/B
A : Ceiling Mounted 16A Relay
Switch with Power Meter
B : Ceiling Mounted
Dimmer with Power Meter

Z817C/D
C : Ceiling Mounted Motion
Sensor Switch
D : Ceiling Mounted
Motion Sensor

Zigbee Switch/Remote Control

Icons are Available for Custom Design

Zigbee Switch/Remote Control

LoRa Alliance™ Member

Protocols Based on Zigbee HA V1.2 or LoRaWAN, and can be customized for private protocol.

patent pending

Z825A
One Gang Touch Switch with Power Meter

Z825B
Two Gang Touch Switch with Power Meter

Z825C
Three Gang Touch Switch with Power Meter

Z825D
One Gang Touch Dimmer Switch with Power Meter

Z825E
Two Gang Touch Dimmer Switch with Power Meter

Z825F
Programmable 1 Scene Control Touch Button

Z825G
Programmable 2 Scene Control Touch Button

Z825H
Programmable 3 Scene Control Touch Button

Z825I
Programmable 6 Scene Control Touch Button

Z825J
Three Gang Touch Switch with Power Meter and 3 Scene Control Touch Button

Z825K033
Programmable 3 Scene Control Touch Button_ 1Toggle+1 Dimmer Switch

Z825K035
Programmable 3 Scene Control Touch Button_ Curtain Control

Z825K047
Programmable 4 Scene Control Touch Button_ 1Toggle Switch+ Curtain Control

Z825K059
Programmable 5 Scene Control Touch Button_ 3 Toggle +1 Dimmer Switch

Z825K05A
Programmable 5 Scene Control Touch Button_ 2 Toggle Switch + Curtain Control

Z825K065
Programmable 6 Scene Control Touch Button_ Curtain Control

Z825K06D
Programmable 6 Scene Control Touch Button_ 3Toggle Switch+ Curtain Control

Z825K06F
Programmable 6 Scene Control Touch Button_ 1 Toggle+ 1 Dimmer Switch + Curtain Control

Z825K121
One Gang Touch Switch with Power Meter and 2 Scene Control Touch Button_Toggle Switch

Z825K122
One Gang Touch Switch with Power Meter and 2 Scene Control Touch Button_Dimmer Switch

Z825K133
One Gang Touch Switch with Power Meter and 3 Scene Control Touch Button_1 Toggle + 1 Dimmer Switch

Z825K135
One Gang Touch Switch with Power Meter and 3 Scene Control Touch Button_Curtain Control

Z825K221
Two Gang Touch Switch with Power Meter and 2 Scene Control Touch Button_Toggle Switch

Z825K222
Two Gang Touch Switch with Power Meter and 2 Scene Control Touch Button_Dimmer Switch

Zigbee Switch/Remote Control

Icons are Available for Custom Design

Z825K233
Two Gang Touch Switch with Power Meter and 3 Scene Control Touch Button_1 Toggle + 1 Dimmer Switch

Z825K235
Two Gang Touch Switch with Power Meter and 3 Scene Control Touch Button_Curtain Control

Z825K321
Three Gang Touch Switch with Power Meter and 2 Scene Control Touch Button_Toggle Switch

Z825K322
Three Gang Touch Switch with Power Meter and 2 Scene Control Touch Button_Dimmer Switch

Z825K333
Three Gang Touch Switch with Power Meter and 3 Scene Control Touch Button_1 Toggle + 1 Dimmer Switch

Z825K335
Three Gang Touch Switch with Power Meter and 3 Scene Control Touch Button_Curtain Control

Z826A
One Gang Touch Switch / Single Live Wire

Z826B
Two Gang Touch Switch / Single Live Wire

Z826C
Three Gang Touch Switch / Single Live Wire
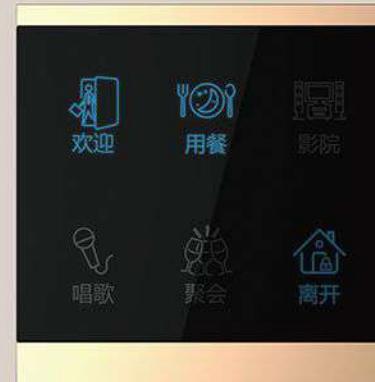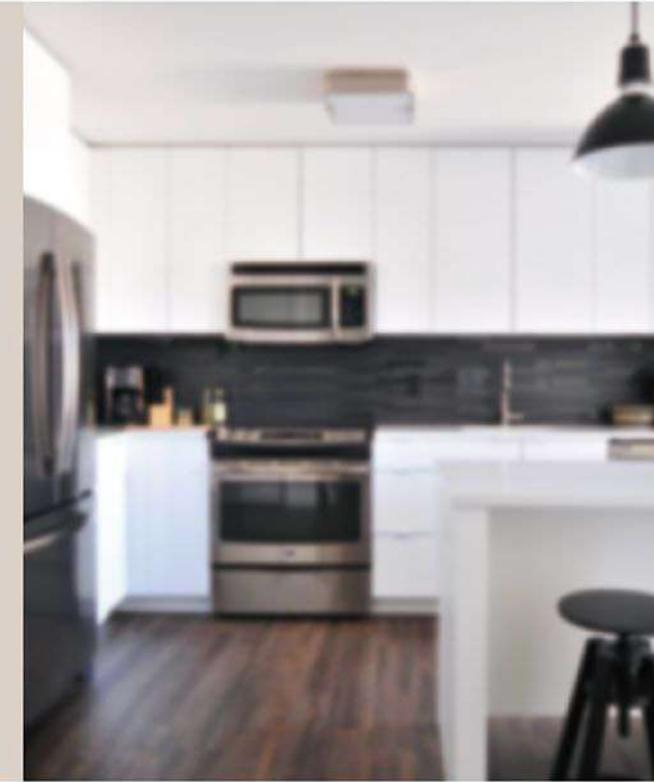
Z826D
One Gang Touch Dimmer Switch / Single Live Wire

Zigbee Switch/Remote Control

LoRa Alliance™ Member

Protocols Based on Zigbee HA V1.2 or LoRaWAN, and can be customized for private protocol.

Z828
Programmable 6 Scene Control Touch Button

Z829
Programmable 6 Scene Control Touch Panel (Black)

### Z829
Programmable 6 Scene Control Touch Panel (Golden)

Z829
Programmable 6 Scene Control Touch Panel (Silver)

Zigbee Switch/Remote Control

33 °C   27 °C

Z869 Smart Thermostat
Smart Thermostat Enables Smart Life
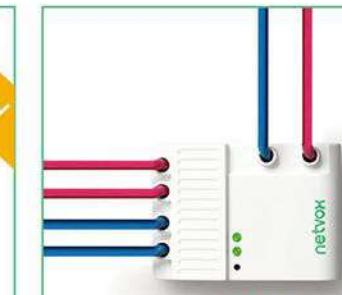
Zigbee Switch/Remote Control
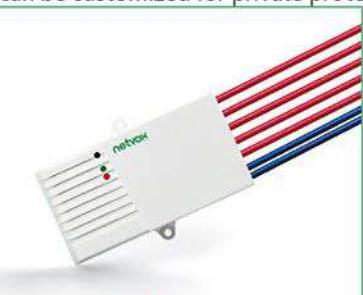
Protocols Based on Zigbee HA V1.2 or LoRaWAN, and can be customized for private protocol.

patented

Z211
Wireless IR Blaster

Z806
Wireless RX Relay Module Two Output

Z811
Wireless 4 Output Control Module

Z311B/G/H
B : Wireless On/Off Light Switch
G : Wireless Light Sensor
H : Wireless Light Sensor Dimmer Switch

Z501A/B/C
Wireless 4-key Remote Controller with ON/OFF, Level Control and Panic Button

Z502A/B Wireless Remote Controller with On/Off, Level Control and Panic Button

Z502C/G Wireless Remote Controller with On/Off, Dimmer, Mode Selector and Panic Button

ZD01A/B/D
Wireless Curtain with Toggle & Level Controller
A : Curtain
B : Drape
D : Shutter

Z825N
Wireless AC Curtain Control Touch Switch

Z815N
Wireless AC Curtain Control Switch

Zigbee Switch/Remote Control

ZB02A/B/C
Wireless Wall Switch
1Key,2Keys,3Keys

ZB02F/G
F : Wireless Dimmer Switch
G : Wireless Dimmer Switch
HA/ZLL Supported

Z812A
Programmable 8-Button
Scene Control Keypad

Z812B
Battery Operated 8-Button
Control Keypad

Z801RX
Wireless RX Relay Board

Z801TX
Wireless TX Switch Board

Z802
Two Way Wireless Switch Module
with Mechanical Switch

Zigbee Switch/Remote Control

patented

Z503
Wireless Local Commander

Z800R
Wireless Plug-in Repeater

patented

ZC06
Wireless LED Light Tube
Dimmable

patented

ZC07
Wireless LED Light Bulb,
Power Rate 5W
Dimmable

Zigbee RF Module

Z203
Cloud Home Gateway
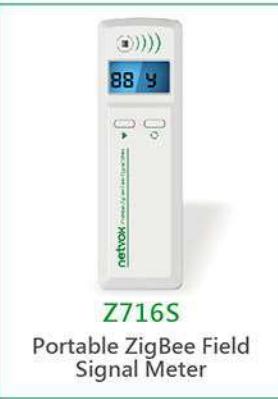
Z206
Cloud Home Gateway

Z207 Smart IoT Controller
Z207A Smart IoT Controller,
PA Version

Z201B
Wireless HA Coordinator
with Security Center (CIE)

Z202E
Wireless TCP / IP Gateway
Coordinator / Router

Z716S
Portable ZigBee Field
Signal Meter

patented

Z210
Wireless Coordinator / Router with IR
& Security Center (CIE)

Z103A
Wireless Coordinator/ Router
with USB Interface

Z108A
Wireless USB Dongle

Zigbee RF Module

ZL01A
Industrial Grade RS232
IEEE 802.15.4 Adapter

ZL01B
Industrial Grade RS485
IEEE 802.15.4 Adapter

ZL01C
Industrial Grade RJ45
IEEE 802.15.4 Adapter

ZL01D
Industrial Grade IEEE 802.15.4
GPIO Controller

ZL01E
Industrial Grade USB
IEEE 802.15.4 Adapter

ZL01F
IEEE 802.15.4 RS232
Straight-through Adapter

ZL01G
Wireless RGB LED Controller

Z110PE / Z110PA
Wireless RF Module
with Power Amplifier

Z100A/Z100B/Z100C/Z100E
Wireless RF Module

Z100D
Wireless Dimmer RF Module

Zigbee Intelligent Environment Monitoring and Control System

Z713C / I / G / HC

C : Outdoor Solar Powered Soil Moisture Sensor

I : Outdoor Solar Powered UV/ Sunlight/ Temperature/ Humidity Sensor

G : Outdoor Solar Powered UV / Temperature / Humidity / Soil Moisture Sensor

HC : Outdoor Sunlight / Temperature/ Humidity / Soil Moisture Sensor

Z713E
Outdoor Solar Powered Water Temperature & PH Level Sensor

Z713CK
Outdoor Solar Powered Soil Moisture/Temperature/ Conductivity Sensor

Z713H
Outdoor Solar Powered Sunlight/ Temperature/ Humidity Sensor

Z712
Outdoor Temperature and Humidity Sensor

Z831
Wireless Multi-Functional Control Box

Z721C
Outdoor Soil Moisture Sensor

Zigbee Intelligent Environment Monitoring and Control System

LoRa Alliance™ Member

Protocols Based on Zigbee HA V1.2 or LoRaWAN, and can be customized for private protocol.

Z721W
Outdoor Immersion Inspection Sensor

Z721A
Outdoor Water Level Sensor

Z721CK
Outdoor Soil Moisture/ Temperature/ Conductivity Sensor

Z725A / C / CD

A : Outdoor High Capacity Solar Powered Temperature and Humidity Sensor

C : Outdoor High Capacity Solar Powered Soil Moisture Sensor

CD : Outdoor High Capacity Solar Powered Temperature, Humidity and Soil Moisture Sensor

Z711
Wireless Temperature and Humidity Sensor

Z716A / B

A : Wireless Temperature and Humidity Sensor with LCD Display

B : Wireless Temperature Sensor with LCD Display

Monitor and Control the IoT Devices Anytime, Anywhere

Home Entertainment

Background Music

Cloud Computing Based
WIRELESS Smart System
Interactive · Extensive · Intelligent · Complete