Dusun Smart Solution

Make Life Smarter and Easier!

www.hzdusun.com/en
Smart Solutions
One-stop Smart Solutions

- Mature one-stop wireless smart devices supplier
- Hardware R&D and manufacturing capabilities
- Firmware and software support: Providing SDK and mobile app for android & IOS
- Smart home cloud services: Helping connect with your own cloud server.
- Wireless Type: WiFi/Zigbee/Bluetooth/Z-wave
Multiple wireless protocols upload data to cloud platforms, including LTE, 3G, Wi-Fi, Ethernet.

Rapid docking of multiple Internet of Things platforms

Compatible with multiple IOT wireless standard protocols, Docking multiple device terminals and sensors

Fast docking speech recognition devices, Amazon echo and google home
Compatible Platforms

Support Amazon Alexa/Echo, Google Home/Assistant/Nest, Microsoft Cortana, Apple Homekit, Baidu, iFLYTEK, etc.

- works with the Amazon Alexa
- works with the Cortana
- works with the Baidu
- works with the Google Assistant
- works with the Nest
- works with the iFLYTEK

“what song is playing?”
Our Products
In the Roombanker Smart Home solution, a smart home gateway is incorporated to connect various smart home appliances.

ZigBee, Z-Wave, BT, WiFi, LTE, Integration with third party equipment.

Sensors & Gateway for security control, energy saving, water leak detection and access control.
The main functions are LTE-M1 (EMTC), Wi-Fi, Zigbee3.0, Bluetooth and Z-WAVE wireless protocol.

**Parameters**

- **Working Humidity:** ≤95%RH, Non-Condensing
- **Power Supply:**
  - Input: 100V~240V/50-60HZ;
  - Output: 5V/2A
- **CPU:** MTK7620A
- **System:** OpenWrt
- **Wireless Protocol:** LTE Cat M1, Wi-Fi, Zigbee3.0, Bluetooth4.0, Z-Wave
- **Access Devices:** Up to 100
- **Wireless Distance:** Wi-Fi > 100m; Zigbee > 200m; Bluetooth > 20m; Z-wave > 100m
- **Pin hole:** Press: back to factory setting
**Door/Window Sensor**

**Parameters**

- **Working Temperature:** -5~65°C
- **Working Humidity:** ≤95%RH, Non-Condensing
- **Power Supply:** button cell (CR2032)
- **Battery Life:** > 1 year
- **Alarm Output:** Low battery alarm, Trigger the alert, Tamper alarm
- **Standby Current:** ≤15μA
- **Material:** ABS+PC
- **Wireless Protocol:** Zigbee@Greenpower
- **Transmitted Power:** 20dBm
- **Receiving Sensitivity:** -95dB
- **Wireless Distance:** > 500m (No obstructions)
HOME SECURITY

**Parameters**

- **Working Temperature:** -5~65°C
- **Working Humidity:** ≤95%RH, Non-Condensing
- **Power Supply:** 2*AA type(5#) Alkaline batteries
- **Battery Life:** >1 year
- **Detection Range:** 7 meters in diameter
- **Alarm Output:** Low battery alarm, Trigger the alert, Tamper alarm
- **Standby Current:** <15μA
- **Material:** ABS + PC
- **Wireless Protocol:** Zigbee@GreenPower
- **Transmitted Power:** 20dBm
- **Wireless Distance:** >500m (No obstructions)
HOME SECURITY

Smoke Detector

Working Temperature: -5~65°C
Working Humidity: ≤95%RH, Non-Condensing
Power Supply: DC3V (lithium battery)
Battery Life: >1 year
Alarm Volume: >85dB/1m
Standby Current: <10μA

Alarm Output: Low battery alarm, Trigger the alert, Tamper alarm
Wireless Protocol: ZIGBEE
Transmitted Power: 20dBm
Receiving Sensitivity: -95dB
Wireless Distance: >500m (No obstructions)
HOME SECURITY

CO Alarm

Parameters

- Working Temperature: -10~50°C
- Working Humidity: ≤95%RH, Non-Condensing
- Material: ABS+PC (ZR)
- Working Voltage: DC3V (lithium battery)
- Alarm Volume: > 85dB/1m
- Alarming Level: 100ppm, 10-40 minutes alarm; 300ppm, 3 minutes alarm
- Alarm Output: Trigger the alert, Tamper alarm
- Standby Current: <10μA
- Wireless Protocol: ZIGBEE HA1.2
- Transmitted Power: 20dBm
- Wireless Distance: > 500m (No obstructions)
Audible and Visual Alarm

It will give alarms and the warning light will keep blinking in a critical situation.

Parameters

Working Temperature:-10~50°C
Working Humidity:≤95%RH, Non-Condensing
Material:ABS+PC(ZR)
Working Voltage:AC220V
Backup Battery:3.8V/700mAh
Alarm Volume:>95dB/1m
Alarm Output: Trigger the alert, Tamper alarm
Standby Current:<10uA
Wireless Protocol: ZIGBEE
Transmitted Power:20dBm
Wireless Distance:>500m (No obstructions)
HOME SECURITY

Gas Alarm

It can be used to detect the concentration of combustible gas. It will give alarms and users will receive warnings from App in a critical situation.

Parameters

- Working Temperature: -10~50°C
- Working Humidity: ≤95%RH, Non-Condensing
- Material: ABS+PC
- Working Voltage: AC100V~240V
- Alarm Volume: >75dB/1m
- Alarming Level: 6%LEL ±3%LEL
- Alarm Output: Trigger the alert, Tamper alarm
- Standby Current: <10uA
- Wireless Protocol: ZIGBEE HA1.2
- Transmitted Power: 20dBm
- Wireless Distance: >500m (No obstructions)
ACCESS CONTROL

Password/Card Smart Lock

Parameters

Operating Temperature: -20~60°C
Working Humidity: 20%~93%RH, Non-Condensing
Power Supply: DC6V, 4*AA(5#) alkaline batteries
Standby Power: <80uA
Battery Life: >1 year
Sensor: Semiconductor fingerprint sensor
Material: Zinc Alloy + paint
Lock Mode: finger print, pass words, keys, IC card
Recognition Speed: <0.5s
Wireless Protocol: ZIGBEE 3.0
Transmitted Power: 20dBm
Receiving Sensitivity: -95dB
Wireless Distance: >300m (No obstructions)
ACCESS CONTROL

Smart Cabinet/Drawer Lock

Parameters

- Power Supply: 4 AA Battery
- Communication Protocols: Stand-alone, Zigbee, Bluetooth
- Standby Current: <60uA
- Unlock Time: <1.5s
- Working Temperature: -20°C ~ 60°C
- Relative humidity: 10%~93%
- Access Methods: Fingerprint/password/Card/APP
- HMI: 3*4 touchpad, keys are "0-9" number and "OK", Battery Volume and Lock Status.
- Key Capabilities: Password 50 sets.
- Unlock History: Stored in the cloud of platform.
- Cloud-based Memory: The password would not be reset when out of power.
- Emergency Power Supply: A micro USB charging port for emergency power supply.
- Battery Life Time: 12-15 months.
- Material: aluminium alloy
- Surface Panel: 120mm*46mm*49mm
- Auto Lock: It will be auto locked after 5s, in case you forgot to lock.
- Physical Button: Inside the cover of battery, to reset the lock to default value.
Latest smart home lock supports fingerprint, password, IC card, key and many more.

**Double Locking** - Use this feature to prevent the lock from being unlocked from outside.

**Anti Theft** - Secure your home when your family is away. An alarm is set off when the lock is operated from inside; a sign of a thief trying to flee.

**Mischief Prevention** - After 5 failed entry attempts a warning sounds and the lock stops operating for 3 minutes.

**Intrusion Alarm** - If the door is opened while still locked an alarm will sound making the intruder less likely to stay.

**Emergency Power** - No battery; no problem. Simply use a 9V battery to power the lock from the outside panel and enter as usual.

**Auto Locking** - A physical sensor enables door to automatically lock after 3 seconds of being closed.

**Low Battery Warning** - Lock will play Fur Elise after every unlocking of the door.
ACCESS CONTROL

Facial Recognition Access Control

It supports face recognition, fingerprint identification, RFID, QR code, APP password with super high recognition rate (99.9%). It also supports human body infrared recognition.

**Parameters**

VDC: DC 12V
Display Screen: 8” IPS touch screen
R.P.: 1920*1080P
OS: more than Android 5.0
Camera: dual camera, 2 million pixels, wide dynamic
CPU: 64 bit 4 core ARM chip
Power Consumption: < 7W (working)
Communication Mode: TCP/IP
Card Number: 5000
Fingerprint Number: 5000
Face Image Number: 5000
Smart Control

Temperature and Humidity Sensor

Parameters

Working Temperature: -5~65°C
Working Humidity: ≤95%RH, Non-Condensing
Power Supply: button cell (CR2032)
Battery Life: > 1 year
Alarm Output: Low battery alarm, Trigger the alert, Tamper alarm
Temperature Accuracy: ±0.5
Standby Current: <15uA
Material: ABS+PC
Wireless Protocol: ZIGBEE@GREENPOWER
Transmitted Power: 20dBm
Receiving Sensitivity: -95dB
Wireless Distance: > 500m (No obstructions)
Smart Control

Parameters

- Working Temperature: -5~65°C
- Working Humidity: ≤95%RH, Non-Condensing
- Mode of Connection: AC~100-240V
- Standby Power: <0.5W
- Wireless Distance: >500m (No obstructions)

Max Load:
- 10A/2200W;
- 16A/3500W

Material: V0 flame retardant plastic shell
Wireless Protocol: ZIGBEE HA1.2
Receiving Sensitivity: -95dB

You can remotely control home appliances through App and setting up multiple timing functions to save energy.
This supports the ZIGBEE standard protocol, which has five functions of remote control, timing delay, charging protection, power statistics and intelligent power failure.

Parameters

Working Temperature:-5~65°C
Working Humidity: ≤95%RH, Non-Condensing
Mode of Connection: AC~100-240V
Standby Power: <0.5W
Material: V0 class fire-retardant PC
Wireless Protocol: ZIGBEE HA1.2
Receiving Sensitivity: -95dB
Wireless Distance: >500m (No obstructions)
Smart Control

Smart Bulb

Parameters

Working Temperature: -5~65°C
Working Humidity: ≤95%RH, Non-Condensing
Mode of Connection: AC~220-240V
Cap-Base: E27
Lamp power: 7W
Brightness: 600LM
Color Temperature: 6000K
Number of Colors: 16 million colors
Lamp life: > 20000h
According to working temperature changes, this thermostat gives on/off commands from temperature protector to temperature controller to control the operation of the equipment to achieve comfortable temperature and energy-saving effect.

**Parameters**

Working Temperature: -5~65°C  
Working Humidity: ≤95%RH, Non-Condensing  
Mode of Connection: AC~100-240V  
Standby Power: < 0.5W  
Material: V0 class fire retardant PC  
Wireless Protocol: ZIGBEE 3.0  
Receiving Sensitivity: -95dB  
Wireless Distance: > 500m (No obstructions)
It can be placed in kitchen, bathroom, washing machine or some other places close to water pipes. The indicator light will keep blinking and users will receive warnings from App once the leakage is detected.

**Parameters**

- **Working Temperature:** -5~65°C
- **Working Humidity:** ≤95%RH, Non-Condensing
- **Power Supply:** button cell (CR2032)
- **Battery Life:** > 1 year
- **Alarm Output:** Low battery alarm, Trigger the alert, Tamper alarm
- **Temperature Accuracy:** ±0.5
- **Standby Current:** <15uA
- **Material:** ABS+PC
- **Wireless Protocol:** ZIGBEE@GreenPower
- **Transmitted Power:** 20dBm
- **Receiving Sensitivity:** -95dB
- **Wireless Distance:** > 500m (No obstructions)
**ENERGY SAVING MANAGEMENT**

**Parameters**

- **Working Temperature:** -10~45°C
- **Working Humidity:** ≤75%RH, Non-Condensing
- **Working Voltage:** 0.9Un~1.1Un
- **Rated Frequency:** 50Hz
- **Wireless Protocol:** Zigbee
- **Output Frequency:** 20dBm
- **Receiving Sensitivity:** -93dB
- **Power Consumption:** ≤2W, 10VA
- **Meter Constant:** 1200(imp/kW.h)
- **Material:** flame-retardant ABS + PC
Product Applications
Applications

Home

Office

Hotel

Buildings
Energy Saving

- Leaking Water
- Water leak detector trigger the Audible and Visual Alarm
- Got Message in App

Water leak detector + Audible and Visual Alarm + APP
Automatic Air Circulation

- PIR sensors detecting human activities
- Ventilator will be opened automatically
- The air is fresh now!
Protect Your Families

Smoke sensors detecting the smokes
Trigger the Audible and Visual Alarm
You and your families get emergency messages at the first time on APP

Smoke sensor + Audible and Visual Alarm + APP
Smart Control

- Smart switches open the air conditioners models
- Air conditioners started and windows closed automatically
- Your hands free now!

Smart switches + Smart IR Transmitter + Smart window pusher
Free Your Hands

Keep Door sensors Working

Compatible with Voice assistants

Use voice command to open doors for your friends

Voice assistants + Door Sensors
Smart Locks

- Smart Lock bells
- Trigger smart cameras
- Check the visitors on the screen

Smart Locks + Smart Cameras + Touch screen
About Us
Company Profile

DUSUN, founded in 2005, is a professional manufacturer dedicated to the research, development and manufacturing of intelligent hardware and devices, then goes to the construction of cloud platform and the development of APP application. And Dusun has more than 13 years of experience in the Internet of Things(IoT) industry. So we have the mature resources, R&D team and technologies.

Our mission

Make Life Smarter and Easier!
Why Us

A Professional R&D Team
More than 130 R&D engineers, most of them have doctor and master degree. And all of them have practical project experience in smart home areas.

Original Algorithms and Technologies
Created our original binocular depth recognition algorithm and active infrared thermal sensing technology.

A Reliable Supply Chain
Based on the resources of the parent company Dusun, which has 13 years of experience in the Internet of Things industry. We have a perfect and powerful ecological chain.
Good Quality - Make Every Piece Great

ICT Tester  FCT Tester  Automatic assembly

Whole machine tester
Our Patents & Honors

Patents

Honors
THANKS

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