UNILINK

COMPANY BROCHURE

Building a best brand in IoT

SMART HOME
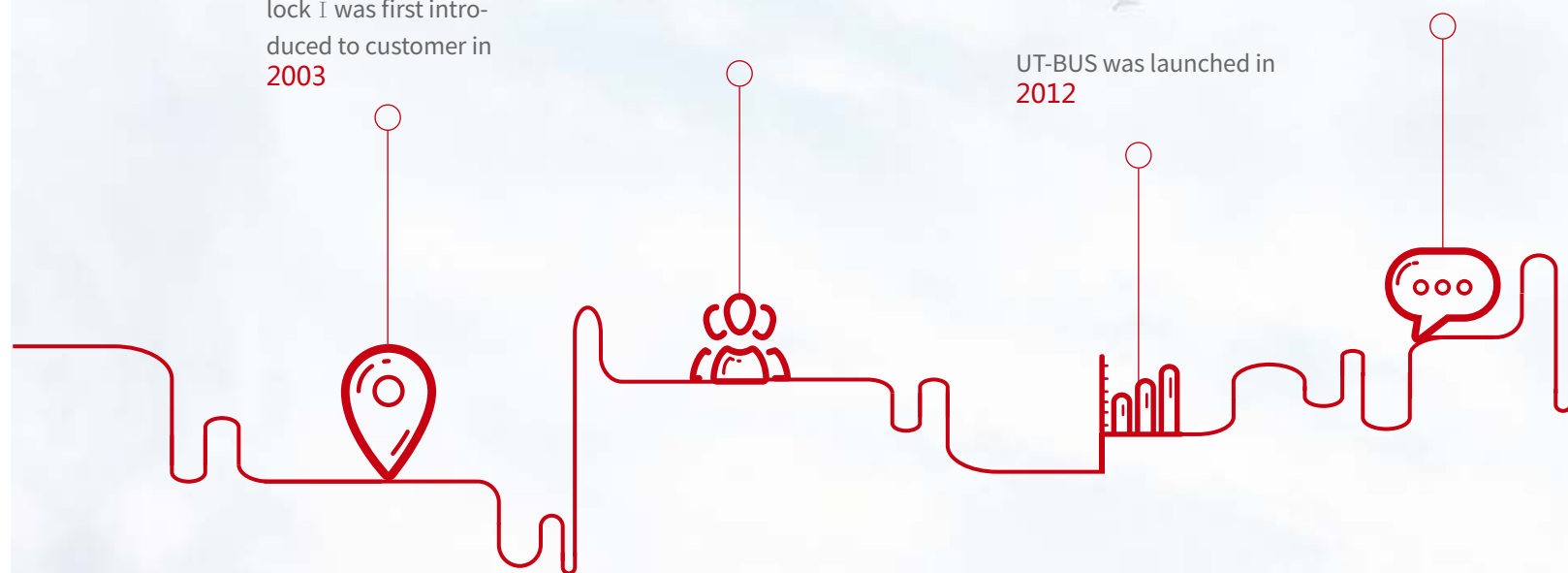
SMART LOCK

HISTORY OF UNILINK

UNILINK's intelligent lock Ⅰ was first introduced to customer in 2003

From 2003 to 2010, UNILINK lock Ⅱ has become one of the best choice of many of the power industry company.

UT-BUS was launched in 2012
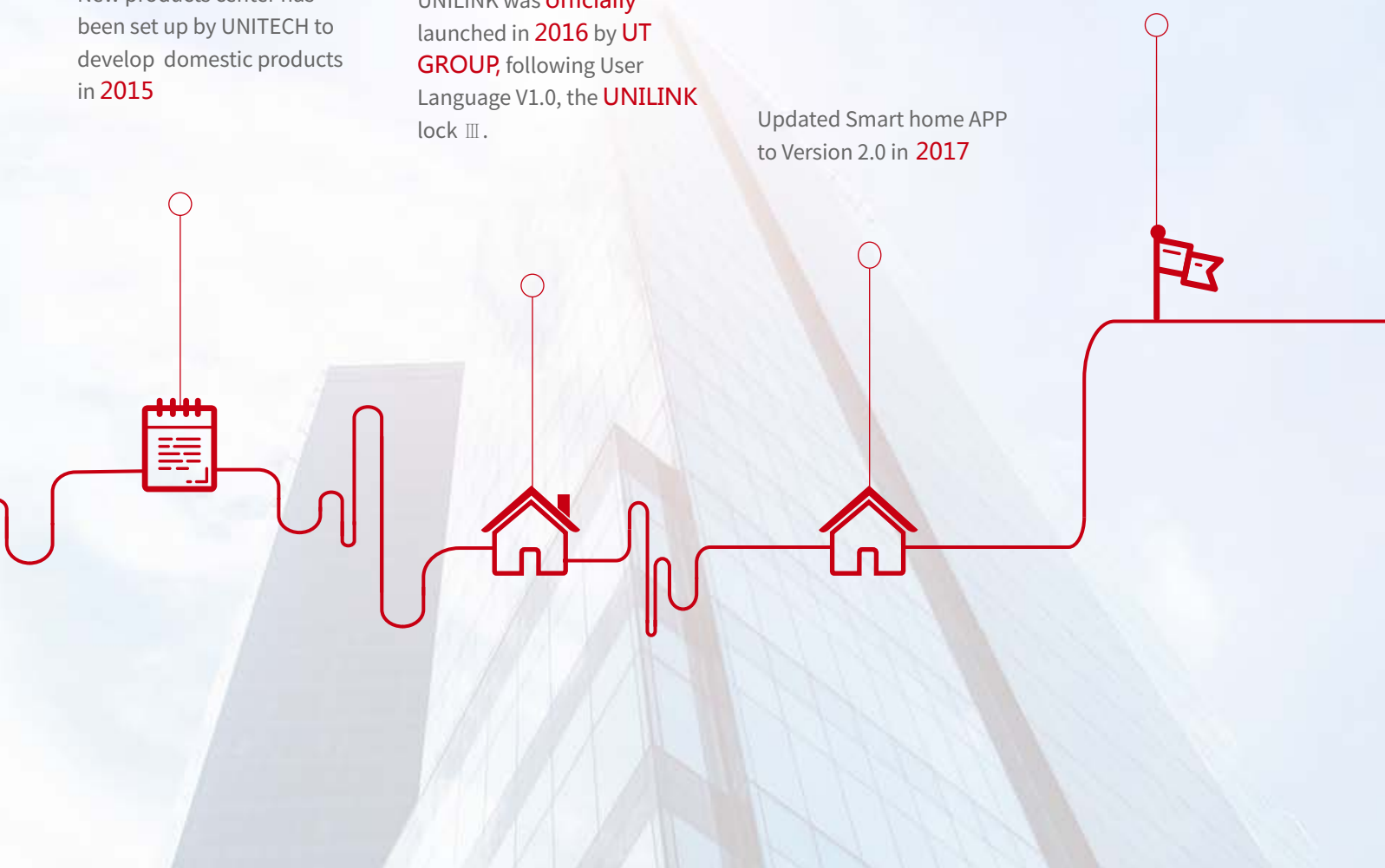
"UT smart home"has been published on the App store in 2013

New products center has been set up by UNITECH to develop domestic products in 2015

UNILINK was officially launched in 2016 by UT GROUP, following User Language V1.0, the UNILINK lock Ⅲ.

Updated Smart home APP to Version 2.0 in 2017

"UT smart lock" application was published in 2018

ABOUT US

UNILINK, a subsidiary of the China conglomerate corporation UT GROUP, is headquartered in Zhuhai. It is a technology company that specializes in IoT products and services, which includes smart home systems, smart lock systems, parking systems and building automation systems.

UT GROUP focuses on automatic generation control in electric power system and provides its automation solutions, development, sales, engineering service for more than 30 years, serving customers in over 10 countries. After its rapid growth, UT GROUP began to restructure the business to fit UT GROUP's IoT strategy. In 2016, UT GROUP founded a subsidiary called UNILINK.

We have professional teams (product development, sales, customer service) supply the new technology, high quality products and the best service. And, at the same time, we corporate a successful relationship with Sun Yat-sen University.

Core mission

Create unique pursuit perfect

Core goals

Building a best brand in IoT

Core value

Integrity, Passion, Collaboration, Innovative, Customer Service

CATEGORIES

SMART HOME

overview

UNILINK adds remote&local control and automation to lighting, appliance and home control applications of all types, allowing you to manage your home the way you want. Combined UT-BUS and ULP technology to install and setup.UNILINK offers the flexibility and dependability to make your life more convenient, safe and fun.

The way we understand smart home

Secure

Comfortable

Convenient
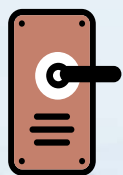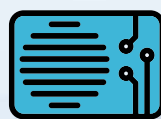
Energy saving

Customization
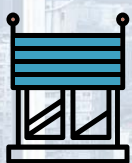
Scenario

SUBSYSTEM

Smart lighting system

Smart locks

Air conditioner control

Smart home security system

Smart curtains

Energy saving

Wireless coverage

Mobile device control

CORE FUNCTIONS

Scenario Control

You can customize multiple scenarios (standard, reading, entertainment), control the indoor equipment quickly.

Customized Buttons

You can change and customize every button's functions according to your habits.

Coupling Control

All indoor equipment can realize linkage control, which simplifies the operation and makes customers more comfortable.

Remote Monitoring

Indoor smart devices are able to be monitored remotely and checked via mobile APP.

Timing Control

Hotel morning call can be replaced by rich timing control function, which reduces the number of workers.

Security Monitoring

With the indoor alert function, customers can be reminded in time when indoor break-in happens.

- Area setting
- Device setting
- Scenarios setting
- Language setting
- Compiler & download

智能家居管理系统

工程配置

系统配置

区域　场景

内置变量

语言

元素　主机管理

动态数据管理

配置更新　固件更新　备份　恢复　生成序列号管理

20 ℃

室温：24℃

16　32

APP

Desktop APP

SCENARIO

Good morning

Your smart home springs into action the moment you get up "Good morning" scenario ensures the perfect start to a relaxed day
The light and AC go on

Leaving home

When leaving home you want to ensure that your lights, appliances and heating are off and the alarm is set. All you need to do is tap a button.

Guest access

Grant unlimited digital keys valid for a few weeks, a few hours, or a few minutes. Never worry about lost, stolen or copied keys again.

Good night

Go straight to bed
The heating is turned down
The lights are switched off and
your curtain is closed.
The alarm is set.

Coming home

Arrive home with a heated or
cool home selected lamps and
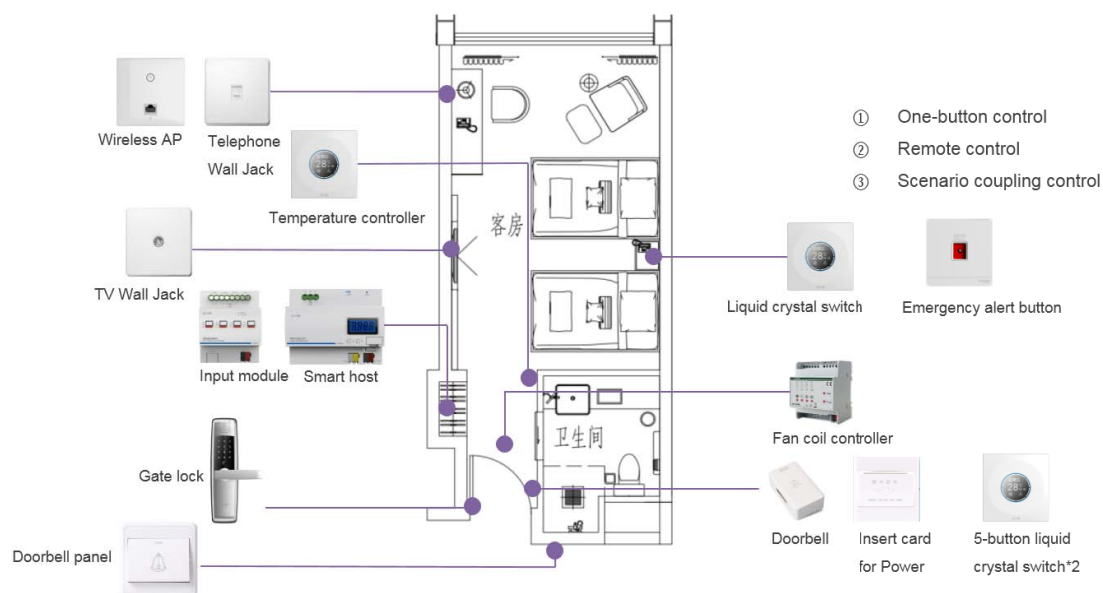appliances and set the room to
reflect your mood.

SOLUTIONS

Smart Apartment (4 bedrooms & 2 living rooms & 2 bathrooms)

Electric Curtain
Autostarted when pulled; controlled intelligently through panel, mobile APP and scenario linkage

Smart water heater thermostat
Recirculate and thus provide 24-h hot water; one-button and timing start via mobile APP

Intelligent Lighting System
Key function of intelligent control panel can be reset according to user habits.

Gas Detector
When monitoring the leak of fuel gas, it will sound alarm and simultaneously send notifications to your mobile phone.

Video door phone
Real-time intercom, elevator-calling, unlocking, property information notification, etc.

Emergency Alert Button
Connected to visual-speaking system; report alarm information to property company

Intelligent Door Lock
Color: rose gold; various opening ways: fingerprint, password, E-key, mobile APP authorizing remotely, etc.

Intelligent Air-Conditioning System
Control the open/close, wind speed, temperature and modes of center air-conditioning

Home Media Wiring
Modularly integrate intelligent host, TV, phone and internet assess in home media wiring.

Door & Window Sensor
Under protection, it will send notifications to the user when monitoring unexpected visit from balcony.

Infrared Sensor
Connected with lighting system when monitoring people moving (e.g. open entryway light)

Smart Hotel

Wireless AP

Telephone Wall Jack

Temperature controller

TV Wall Jack

Input module   Smart host

Gate lock

Doorbell panel

① One-button control
② Remote control
③ Scenario coupling control

Liquid crystal switch

Emergency alert button

Fan coil controller

Doorbell

Insert card for Power

5-button liquid crystal switch*2

Hotel Guest Room Cotrol System

Smart single family

Intelligent Door Lock System
Fingerprint, password, card, unconsciously, authorizing remotely, etc.

Home Media Wiring
Modularly integrate intelligent host, TV, phone and internet assess

Gas Detector
When monitoring the leak of fuel gas, it will sound alarm and simultaneously send notifications to your mobile phone.

Intelligent Air-Conditioning System
Control the open/close, wind speed, temperature and modes of center air-conditioning

Smart water heater thermostat
Recirculate and thus provide 24-h hot water; one-button and timing start via mobile APP

Intelligent Lighting System
Indoor lighting can be matched and controlled at will. (Living room, dining room, bedroom, bathroom, kitchen entrance and bedside)

Emergency Alert Button
Connected to visual-speaking system; report alarm information to property company

Control of Exhaust Fan
Controlled by smart switch panel, mobile APP; Equipped in the doorway of main and second bathroom

Door & Window Sensor
Send notifications to the user when monitoring unexpected visit from balcony.

Electric Curtain
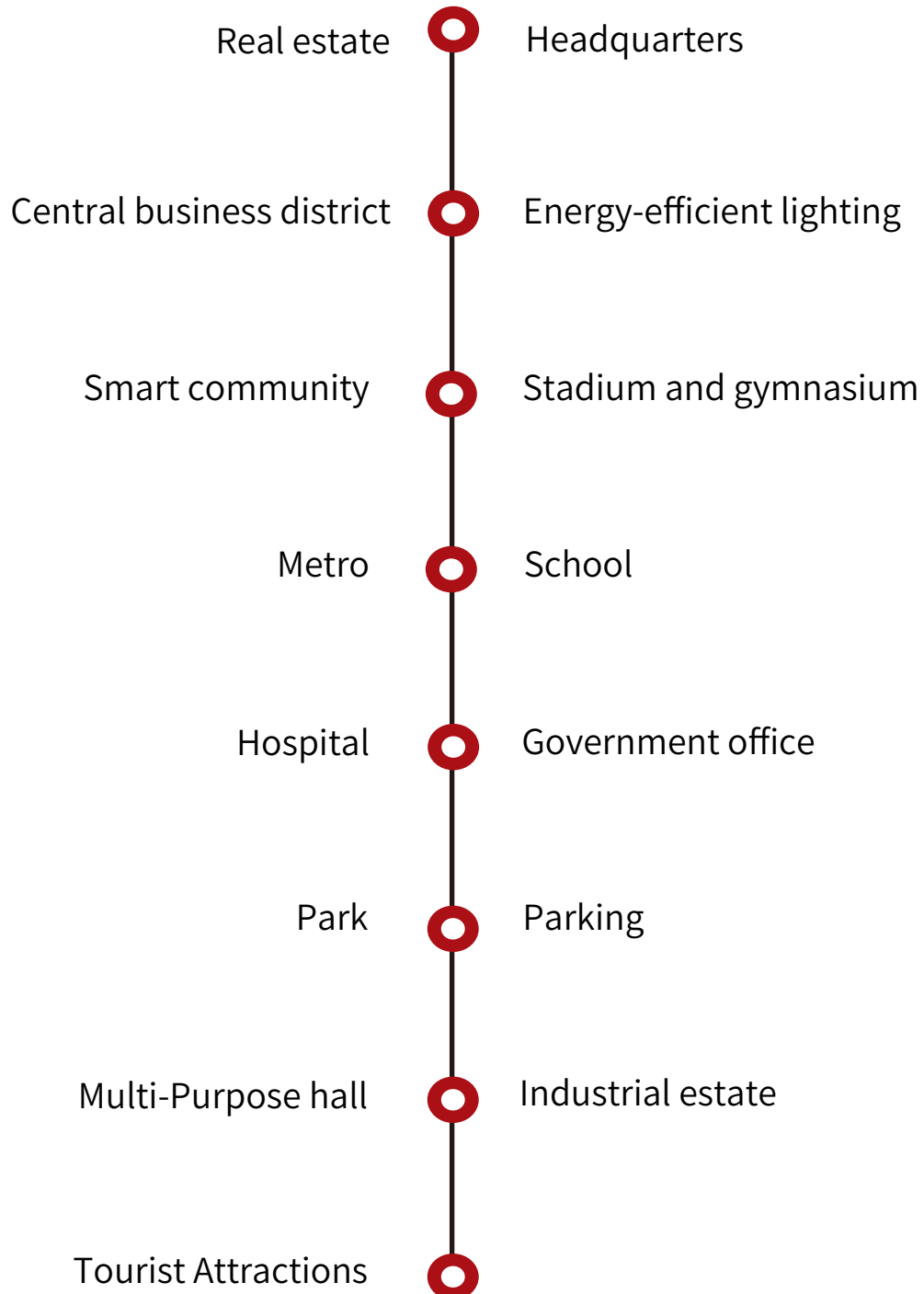Controlled intelligently through panel, mobile APP and scenario linkage

Video door phone
Unlocking and visual intercommunication between visitors and hosts

USECASE

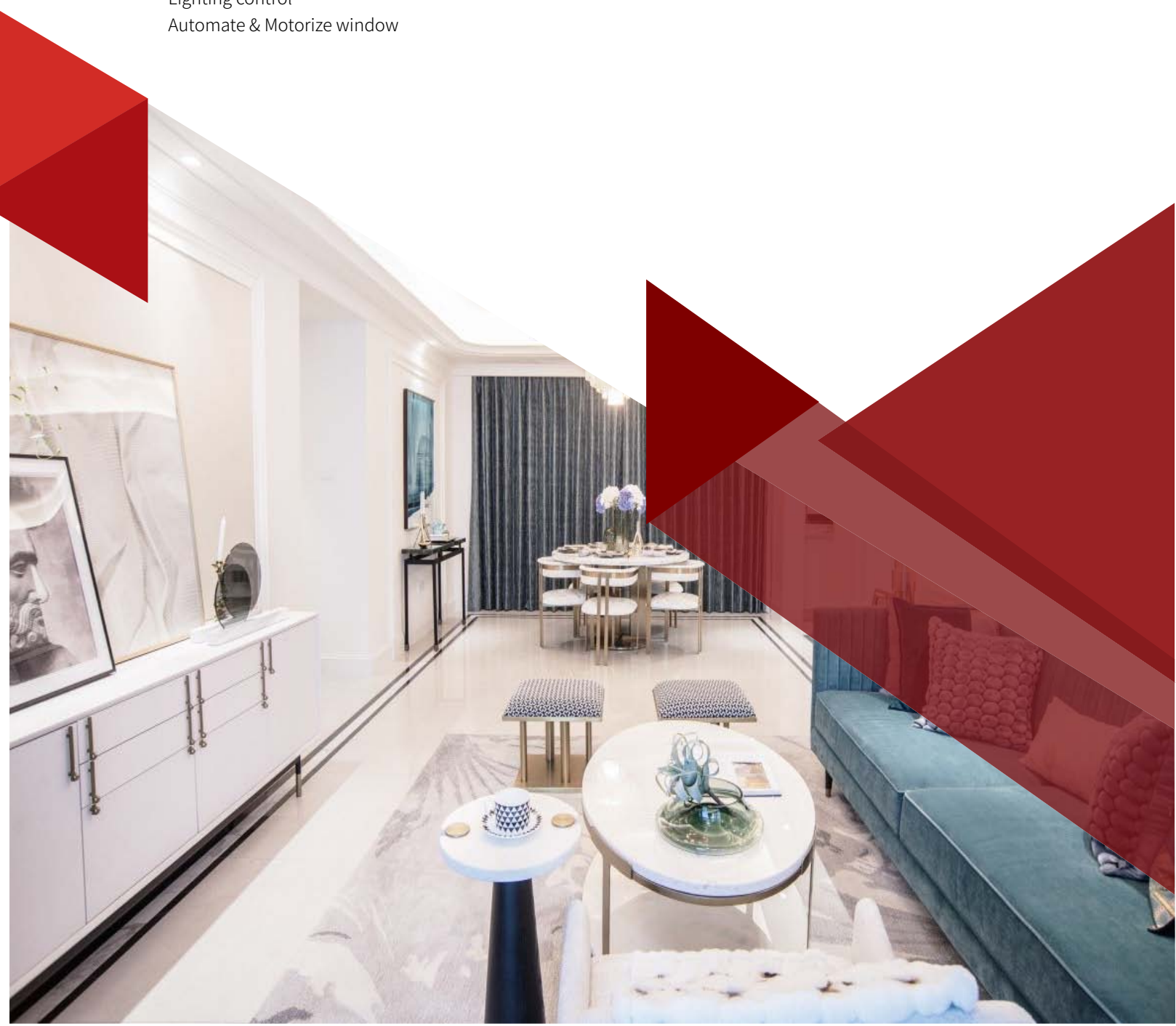|	
Real estate	Headquarters
Central business district	Energy-efficient lighting
Smart community	Stadium and gymnasium
Metro	School
Hospital	Government office
Park	Parking
Multi-Purpose hall	Industrial estate
Tourist Attractions	

CASE STUDY

Living Inside a Smart Home:GREENTOWN-UT case study

Smart locks
Home security
Smart water heaters
Lighting control
Automate & Motorize window

OVERVIEW

UT smart home hub

The UT smart home hub is the brains of the operation. It creates wire network to connect and communication with all your smart devices.

Highlights

▶ Input / output 64 nodes

▶ Maximum transmission distance 1000M

▶ UT user language programming

▶ Internet access, UT-BUS power line is a protocol for communication, signaling and control among devices for used

▶ for home automation

▶ Single point, multi point, area, scheme, timer automation

▶ Network topology: star, tree, line

▶ Local control and remote control

▶ Save data on power failure

▶ 30V Backup battery

Tech specs

▶ Working voltage: AC 100V~240V, 50/60HZ

▶ Operating temperature: -10 ~ +55 C

▶ Relative humidity: less than 95%RH

▶ Communication: UT-BUS, RS485，100M Ethernet

▶ Dimensions: 155mm(L)X 138mm(W)X 36mm(H)

Home media wiring

Keep your connected home running efficiently with a structured home media wiring system to manage and distribute a wide range of data networking, voice, audio, and video wiring from one central location.

Highlights

▶ Modular installation, great extendability and upgradability

▶ Structured wiring, integrated management. Avoid disorder wiring

▶ Ultra low-power, long life

▶ Easy to install, operate, maintain

Tech specs

▶ Operating temperature: -10 ~ +55 C

▶ Relative humidity: less than 95%RH

▶ Installation: Hang to wall

▶ Dimensions: 420mm(L)×362mm(W)×120mm(D)

Smart home wireless hub

It'll create a wireless network to connect and communicate with all your smart home devices

Highlights

▶ RF 433MHz Transmitter/Receiver

▶ Wireless Wi-Fi module (SmartLink)

▶ Colorful nightlight and 16 million colors

▶ Acousto-optic alarm

▶ Sounds warning

Tech specs

▶ Working voltage: AC110 to 240V, 50/60HZ

▶ Operating temperature: -10 ~ +55 C

▶ Relative humidity: less than 95%RH

▶ Communication: 433MHz, Wi-Fi

▶ Dimensions: 85mm(L) X 85mm(W) X 58mm(H)

Smart water heater thermostat

ZDHS-1B is a smart water-heater controller. It is prevalent on single family, community, office/ commercial building, hotel, single house with UT-BUS system to set.

Highlights

▶ In-house control
▶ Remote control
▶ Prevent turn on without water
▶ Anti-overuse
▶ Anti-freeze and prevent scale
▶ Non-volatile Memory
▶ All weather automatic hot water supply
▶ Hot water 24/7
▶ Automatically to run at your scheduled time
▶ Convenient control from a smart phone – monitor and change settings from anywhere

Tech specs

▶ Working voltage: AC 220V, 50/60HZ
▶ Operating temperature: -10 C to +55 C
▶ Relative humidity: less than 95%RH
▶ Input water pressure: 50Pa to 500Pa
▶ Communication: UT-BUS, 433M
▶ Installation: wall-mounted

Smart door lock

Highlights

▶ Co-use gateway, Phones remote control, data-sending when opening/shutting

▶ doors

▶ Support fingerprint, password, card, key, mobile Bluetooth and other unlocking

▶ methods

▶ ID Electro-Mechanical key, dual insurance

▶ Record unlocking information

▶ Support A/B card operation

▶ Lift to lock, voice prompt of lifting

▶ Smart voice guidance, simple and lucid to operate

▶ Lock-picking、breaking warning; low power remind and various warning function

Tech specs

▶ Working voltage: DC6V

▶ Operating temperature: -10 C ~+55 C

▶ Average maximum working current：less than 150mA

▶ Average quiescent current：less than 25uA

▶ Battery life：greater than 5000 times（unlocking time）

▶ Low battery life : greater than 50 times(unlocking time)

▶ Dimensions: 340mm（L）×167mm（W）×89mm（H）

Fingerprint House

Trigger button

Password and card

Doorbell (Button)

Emergency power supply
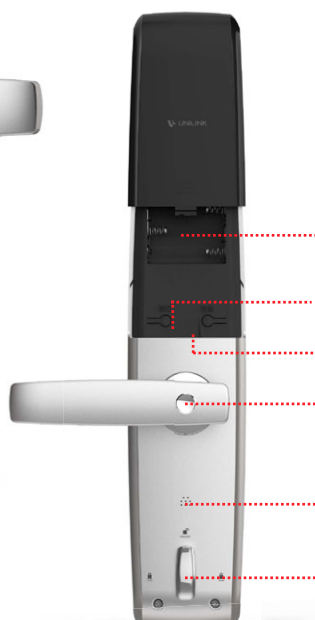
Reboot button

Key hole

Battery compartment

System setting button

Volume adjustment button
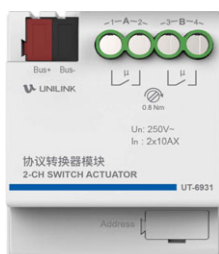
Peephole-avoiding button

Bell mouth

Security knob

Protocol Converter

Provides converters for data communication and conversion between UT-BUS and RS-485

Highlights

▶ Web-enabled；mobile monitors 'third-party devices remotely'

▶ Online upgrade

▶ Use descriptive language to logically programm

Tech specs

▶ Working voltage: DC 24V to 30V

▶ Working current：≤3mA

▶ Operating temperature: -10 to +55°C

▶ Relative humidity: less than 95%RH

▶ Communication: UT-BUS

▶ Dimensions: 60mm(L)x 50mm(W) x28mm(H)

▶ Installation: DIN35mm rail

Flex Switch

Simply assign configurable scenarios or function to one or more buttons on the switch. Your smart home then stats the stored routine and makes you even more flexible when it comes to controlling your home.

| Touchswitcher   wireless | touchswitcher   LED | touchswitcher |

Highlights

▶ Tablet input panel with touchscreen

▶ 3-way relay output

▶ UT-BUS, communication, signaling

▶ 433M communication

▶ Breathing lamp

▶ Slider design, combined smart and traditional switch

▶ Liquid crystal display

Tech specs

▶ Working voltage: DC 24V to 30V

▶ Operating temperature: -10 to +55°C

▶ Relative humidity: less than 95%RH

▶ Communication: UT-BUS

▶ Output: 3-way relay output, less than 16A per each

▶ Dimensions: 90mm(L)x 86mm(W) x37mm(H)

▶ Installation: 86-type switch socket case

Third party products

Intelligent curtain control

Including intelligent curtain and illumination sensor automatically controls the curtain opening and closing to maintain the brightness and shade of the home. You can control it locally and remotely with the multifunctional gateway. And, Compatible with most standard brand.

Smoke detector

The smoke alarm looks for both fast and slow burning fires. It can added to you home system more safety and peace of mind by sending you a remote notification when something goes wrong facilitating a fast call when you're away from home/office.

Infrared sensor

It detects motion and movement in an area real-time. These sensors can be connected to lighting or the thermostat to help control the energy usage in a room based on the occupancy of the room. Home hub and system allows you access to all of the smart home sensors.
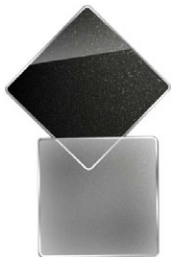
Smart window

Motorizes your sliding windows and allows them to open and close automatically based on your preferences and needs.

Electric clothes hanger

With home automation system and smart switches give you remote control(schedules, sensors, scenarios)

LC film

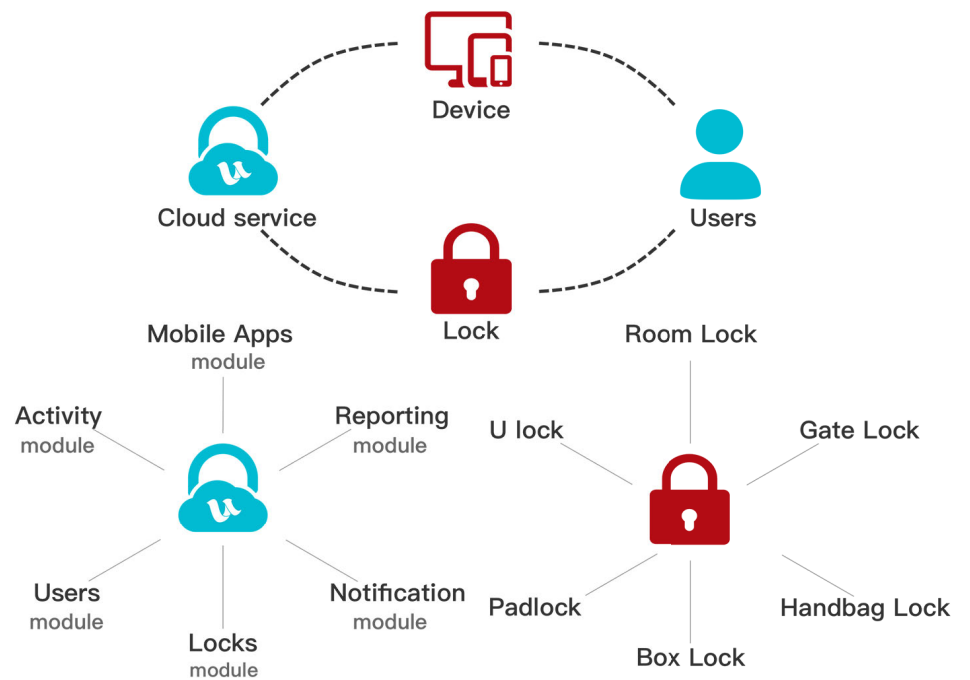With home automation system and smart switches give you remote control(schedules, sensors, scenarios)

Air conditioner control

With home automation system and smart switches give you remote control(schedules, sensors, scenarios)

SMART LOCK

Device

Cloud service

Users

Lock

Room Lock

Mobile Apps
module

Activity
module

Reporting
module

U lock

Gate Lock

Users
module

Notification
module

Padlock

Handbag Lock

Locks
module

Box Lock

Structure

Our enterprise solutions combine the power of smart lock hardware and enterprise cloud software, enabling a robust and scalable solution to improve access control efficiency for organisations.

Highlights

Authority management
Multi-role. Administrator can authorize and manage users remotely, as well as set timeliness of authority. Group management of selected locks. Authority can be transferred.

Status updates
Checking the status of your lock and telling you if your lock is securely locked, including conditions, operators, operating time, authority level, fault information, etc.

Cloud software
Open platform, which Supports SDKs that allow developers to create systems and applications. "Big data analysis" and "Block chain" empower businesses & organisations to securely manage their smart devices and track activity.

Auto-Unlock
Auto-Unlock relies on Bluetooth and knows when you arrive and unlocks the door as you approach.
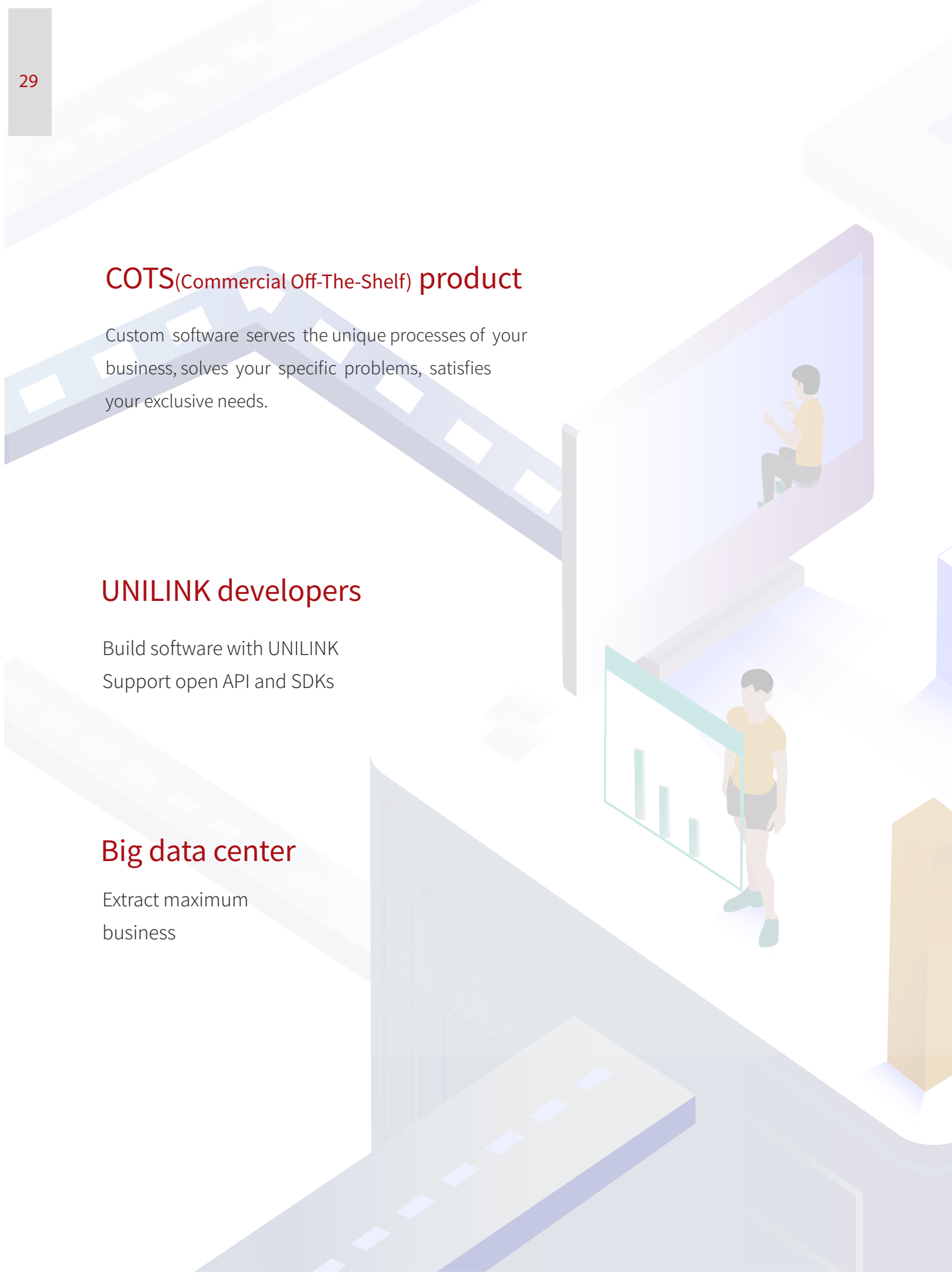
COTS(Commercial Off-The-Shelf) product

Custom software serves the unique processes of your business, solves your specific problems, satisfies your exclusive needs.

UNILINK developers

Build software with UNILINK
Support open API and SDKs

Big data center

Extract maximum
business

Statistical support services

Statistical analysis
Data visualization
Statistical consulting

Big data consulting services

Monetize traffic
A bootstrapped guide to validating your customer personas
Industry analysis

Featured App

Smart lock application
Web portal(Admin uses to manage locks)

USECASE

Property   Power station   Factory

School   Warehouse   Apartment

Home   Hospital   Shop

SCENARIO

Outdoor cabinet

Authorized users can unlock by mobile phone, do not need to bring keys, which makes it convenient for operators.

Operational records are available; management is standardized and supported.

Transport cabinet

The track of transport is recorded in real time; Unpacking records are available.

Box/handbag

Multiple encryption, safe and reliable

Location information can be seen

Room door

Can preset to be locked or not after closing

Locked based on demand, guarantee user's privacy

Gate door

Authorize secretly

Get information of who opened the door and entrance guard

Playing room door

Multi-user can be authorized

Multi-user can be authorized

Connect charging system, manage and control use time

Bicycle lock

Without key hole, anti-damaged

Super-C lock, safe and reliable

Cabinet

Unlock remotely through authorization

Unlock through Bluetooth, more convenient

Safety box

Multiple encryption, protect property safety

Automatic alarm when abnormally unlocked

OVERVIEW

Upgrades your existing Kwikset, Weiser, Baldwin or Schlage deadbolt into a smart lock that you can lock/unlock within Bluetooth range using your smart device.

Pin tumbler mechanism

Highlights

▶ Spin tumbler /Extend tumbler

▶ Low-power, energy-saving

▶ LED indication when working

▶ Multiple Authentication software and hardware encrypting, safe and reliable

▶ Operational records

▶ Bluetooth auto-unlock as you set,low-power

▶ Cloud service and big data analysis

Tech specs

▶ Working voltage：DC3V ±10%

▶ Quiescent current: less than 1uA

▶ Average action current: less than 85mA

▶ Wake-up connection time: less than 200ms

▶ Lock-out time: less than 80ms

▶ Maximum load (Balls)：6g

▶ Unlocking device：motor drives

▶ Lifetime：greater than 100,000 times

▶ Working temperature: -10 to +55°C

▶ Relative humidity: less than 95%RH

A pin tumbler mechanism

Tech specs

▶ Working voltage：DC3V ±10%

▶ Quiescent current: less than 1uA

▶ Average action current: less than 85mA

▶ Wake-up connection time: less than 200ms

▶ Lock-out time: less than 80ms

▶ Maximum load (Balls)：3g

▶ Unlocking device：motor drives

▶ Lifetime：greater than 100,000 times

▶ Working temperature: -10 to +55°C

▶ Relative humidity: less than 95%RH

B pin tumbler mechanism

Padlock

Highlights:

▶ Brass and stainless steel shackles and body for increased weather resistance

▶ Hardened steel for maximum resistance to cutting

▶ Low-power, energy-saving

▶ Bluetooth unlock, efficient and convenient

▶ LED indication when working

▶ Multiple Authentication software and hardware encrypting, safe and reliable

▶ Operational records

Tech specs

▶ Working voltage：DC3V ±10%

▶ Quiescent current: 3uA

▶ Average action current：85mA

▶ Wake-up connection time: less than 200ms

▶ Lock-out action time：less than 80ms

▶ Unlocking device：motor drives

▶ Lifetime：greater than 100,000 times

▶ Working temperature: -10 to +55°C

▶ Relative humidity: < 95%RH

▶ Product size：53.5 mm (L) × 49 mm (W) ×19.5 mm (H)

▶ Waterproof grade：IP65

▶ Battery life：greater than 1.5 year (10 times a day, recommending using genuine Energizer or Panasonic battery)

Handbag or box lock

Highlights

▶ Touch to unlock, APP control

▶ LED indication when working

▶ Zinc alloy shell

▶ Easy installation, compatibility

▶ Home-made pin tumbler mechanism

▶ Timing lock, wrong operation prevention

▶ Low-power, energy-saving

Tech specs

▶ Working voltage：DC3V ±10%

▶ Quiescent current: 3uA

▶ Average action current：125mA

▶ Wake-up connection time: less than 200ms

▶ Lock-out time: less than 80ms

▶ Unlocking device：motor drives

▶ Lifetime：greater than 100,000 times

▶ Working temperature: -10 to +55℃

▶ Relative humidity: less than 95%RH

▶ Product size：91 mm (L) × 39 mm (W) ×15 mm (H)

▶ Waterproof grade：IP67

▶ Battery life：greater than 1.5 year (10 times a day, recommending

Room door lock

Highlights

▶ Touch to unlock, APP control

▶ LED indication when working

▶ Bluetooth unlocking and urgent mechanical unlocking

▶ Thickened stainless steel baffle and spring bolt, sturdy and reliable

▶ Individual lever handle to prevent unlocking violently

▶ Aluminum alloy panel

▶ High-quality lock cylinder

▶ Low-power

Tech specs

▶ Working voltage：DC3V ±10%

▶ Quiescent current: 3uA

▶ Average action current：125mA

▶ Wake-up connection time: less than 200ms

▶ Lock time：500ms

▶ Unlocking device：motor drives

▶ Lifetime：greater than 100,000 times

▶ Working temperature: -10 to +55°C

▶ Relative humidity: < 95%RH

▶ Product size：184 (length) × 48 (width) ×11 (height) mm

▶ Waterproof grade：IP50

▶ Battery life: greater than 1.5 year (10 times a day, recommending using genuine Duracellor or Nanfu battery)

PARTNERS

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