alexa | built-in

Smart Control Panel S

TPP01-Z (EU)

DEMO

18
18
10°C
Feb 20 Mon
18:18
Orange
Banana

LINUX

Dedicated IoT OS based on Linux

Engineers reconstructed the bottom layer of the system and used a more streamlined instruction set, which brings faster system response and smoother control experience. The device is more stable and reliable, adding luster to the user's smart life.

Lightweight | Smooth | Low Heat

OS 4.0

OS Tailored for Home Scenarios

Based on the research on IoT interaction in the home scenario, Tuya tailor-made a proprietary OS, taking the Smart Control Panel as the entrance, integrating fragmented smart home products into one screen, and users can complete device control, One-click scene execution, device network access, voice interaction and other functions to achieve a user-friendly interactive experience.

Smart screensaver | Live wallpaper | Device control | Room display

Tap-to-Run | Shortcut | Fine control | Alexa Built-in

Night Mode
Morning Mode
Room·Laundry rack

06
30
06/24 Sunny

Hello
Click the button to continue

26℃
24th Jun Mon
06:30
Leave mode
Home mode

All Device
LivingRoom·Light
Light
LivingRoom·Light
LivingRoom·Light

OS
4.0

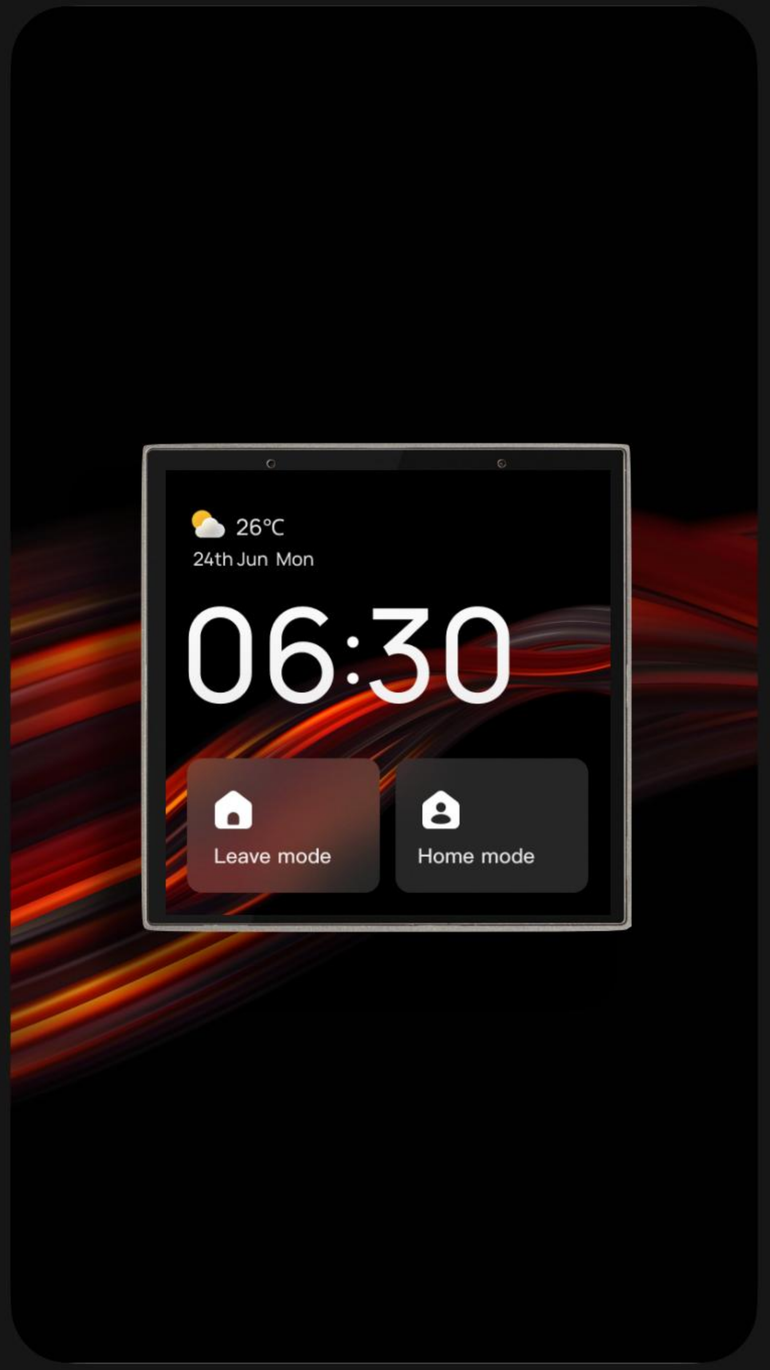
AM
12 14

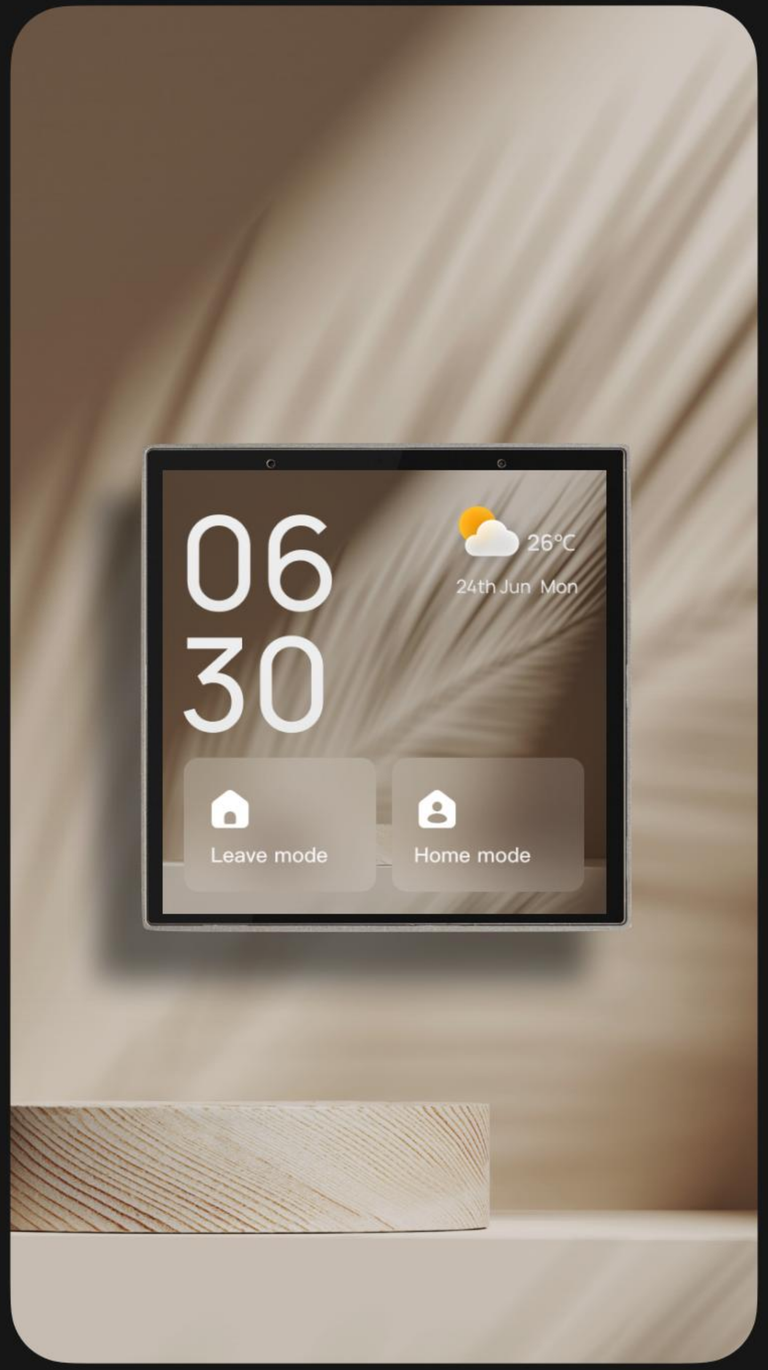
26℃
24th Jun Mon
06:30
Leave mode
Home mode

06
30
6/24 Sunny

06
30
26℃
24th Jun Mon
Leave mode
Home mode

Scene
Morning Mode


26℃
24th Jun Mon
06:30
Leave mode
Home mode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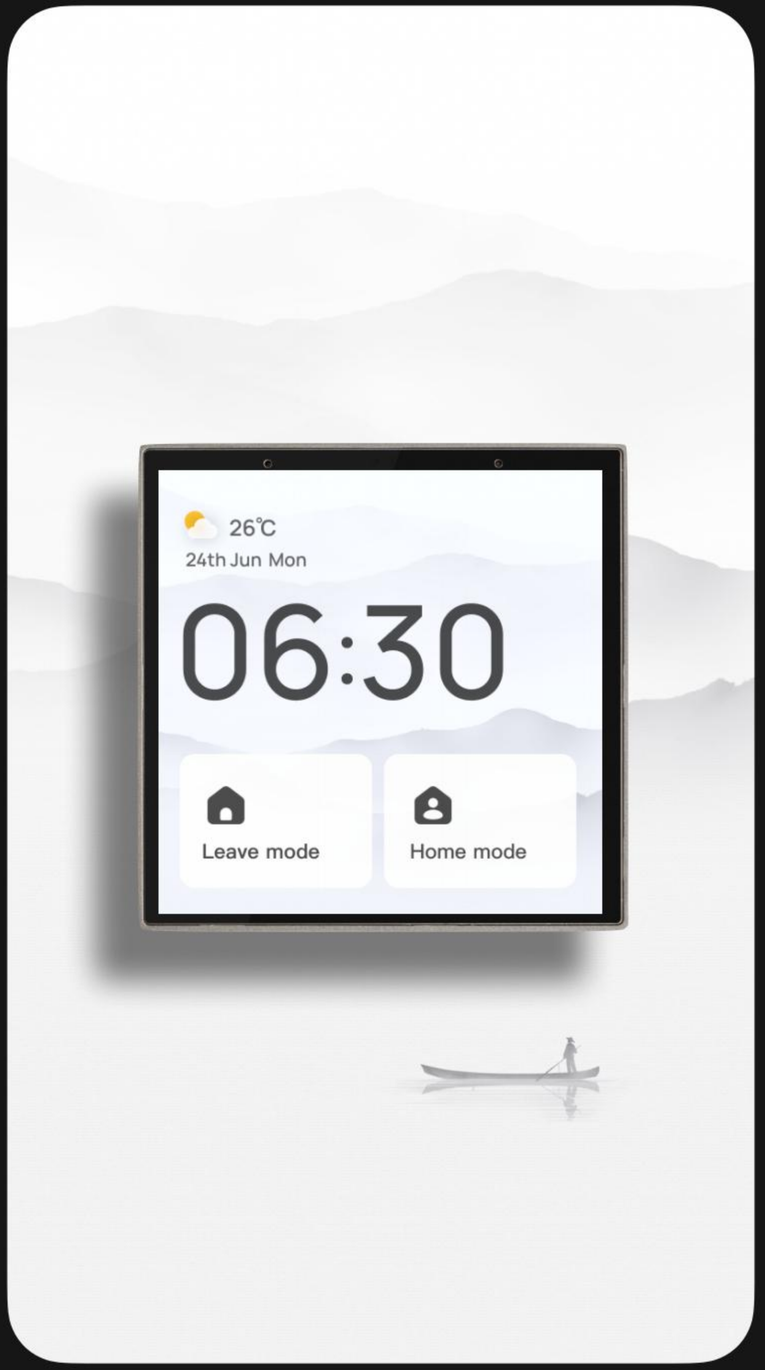
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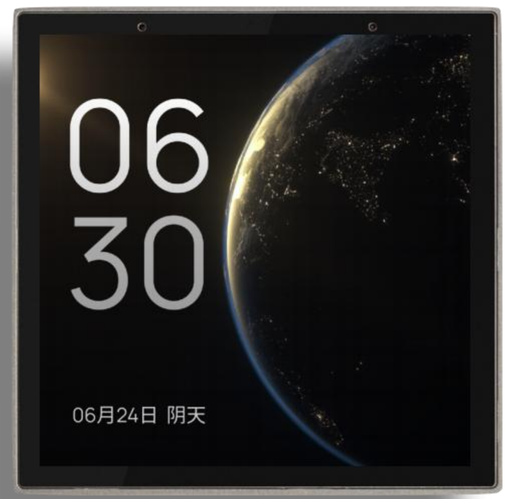
24th Jun Mon
06:30
Leave mode
Home mode

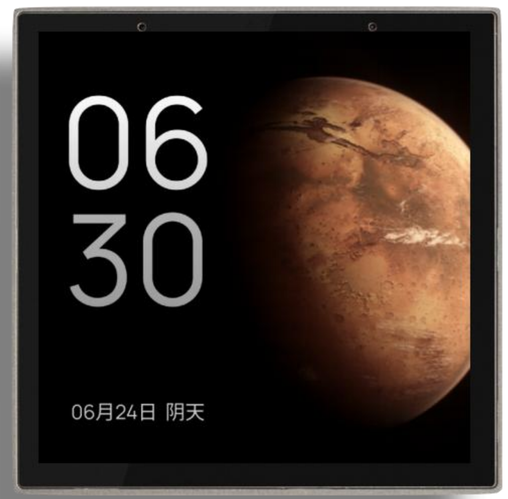
Theme Screensavers

Flip Clock

Earth Light



world of Mars



Gaussian blur

Based on the Linux LVGL GUI framework for the irst time in the industry, it realizes up to 6,000 convolution operations per second and renders real frosted glass dynamic efects in real time.

Drag and drop sorting

For the irst time in the industry, components can be freely dragged and sorted as you like.

Quick Control

A more useful 『Quick Control』

For the first time, We introduced the concept of 『Quick Control』 on Smart Control Panel. You can enter the 『Quick Control』 by sliding down the home page. Taking the user's interactive operation as the starting point, We have carried out system-level Component Classification of IoT devices, and designed Standard Containers are used to carry different Components, maximize interaction efficiency, and realize "What you see is What you get, and What you get is What you operate"

Home Page

Home page customized for family scenes supports multiple wallpaper modes, the information is clear, and the operation can be achieved in one step.

Exquisite theme

Suppo rt multiple sets o f different beautiful themes, users can choose freely

Date and time

Clear at a glance, real-time display of time, date and other information

Shortcut

Support to fix common devices and common scenes to home page, which is convenient to control

Weather information

Automatically display weather conditions outside

Smart switching

Minimalist interaction, swipe left for device control, swipe right for one-click scenarios, and swipe up for common operations

Device and Scene

Device control and scene execution are the most frequent interactions in smart home. The proprietary OS supports room area management, device quick control and fine interaction, and supports one-click execution of scenes.

Quick Control

Through the device shortcut switch, you can quickly control without entering the operation page

Fine-grained interaction

Reconstruct the interactive form for each type of equipment to achieve refined control

Smart scene

One-click execution of preset scenes without frequent operations

Room management

Supports equipment management in different room areas, which is convenient for searching and controlling

Powered by Tuya can be controlled by a Screen

Covering 8 categories, about 2,700 product series , more than 600,000 SKU

ENERGY SAVINGS

Meter / Electricity

HEATER · ELECTRIC GENERATOR · GAS METER · HEAT METER · ELECTRICAL GATEWAY · CIRCUIT BREAKER · ELECTRICITY GENERATOR · DC CHARGING PILE · LOW VOLTAGE ENERGY STORAGE · OUTDOOR POWER STATION · ENERGY STORAGE INVERTER · AC SHARED CHARGER

OFFICE SUPPLIES & OUTDOOR TRAVEL

Positioning / Travel / Desk Accessories / Office Appliances

SMART FINDER · TRACKER · SCOOTER · SMART ELECTRIC VEHICLE · INFLATOR · SMART HELMET · WATER CUP · PD ADAPTER

ELECTRICAL & LIGHTING

Socket / Switch / Controller / Light Source / Light

SOCKET · POWER STRIP · TEMPERATURE CONTROL SOCKET · AIR CONDITIONER MATE · LIGHT CONTROL SWITCH · DIMMER SWITCH · CURTAIN SWITCH · SCENARIO SWITCH · WIRELESS SWITCH · FAN SWITCH · DOWNLIGHT · BREAKER · CONCEALED BREAKER · GARAGE DOOR OPENER · WATER VALVE CONTROLLER · BULB LAMP · FILAMENT LAMP · STRIP LIGHTS · STRING LIGHTS · PIR LIGHT · CEILING LIGHT · OUTDOOR LIGHT

FITNESS & HEALTH

Fitness & Health

BODY FAT SCALE · WATCH & BRACELET · SLEEP BAND · BLOOD PRESSURE MONITOR · PHYSIOTHERAPY · TREADMILL · SCOOTER

LARGE & SMALL HOME APPLIANCES

Large Home Appliances / Small Home Appliances / Kitchen Appliances

AIR CONDITIONER · REFRIGERATOR · WASHING MACHINE · WATER HEATER · ROBOT VACUUM · FAN · DIFFUSER · HUMIDIFIER · AIR PURIFIER · THERMOSTAT · PET FEEDER · CURTAIN · AIR FRYER · COFFEE MAKER · WATER PURIFIER · SLOW COOKER · GARBAGE DISPOSAL · SMART KETTLE · HEATER · PET FEEDER · TRV · FOOD PROBE

SECURITY & SENSORS

Security & Sensors

SMART CAMERA · LOCK · MOTION SENSOR · DOOR SENSOR · GAS DETECTOR · WATER DETECTOR · TEMPERATURE AND HUMIDITY SENSOR · SMOKE DETECTOR

EDUCATION & ENTERTAINMENT

Digital Entertainment / Education

TV · BACKGROUND MUSIC · MAGIC MIRROR · PHOTO FRAME · SPEAKER · STORY TELLER ROBOT MACHINE · PICTURE BOOK READING ROBOT · BLUETOOTH EARPHONE · GAMEPAD · PROJECTOR · VANITY MIRROR

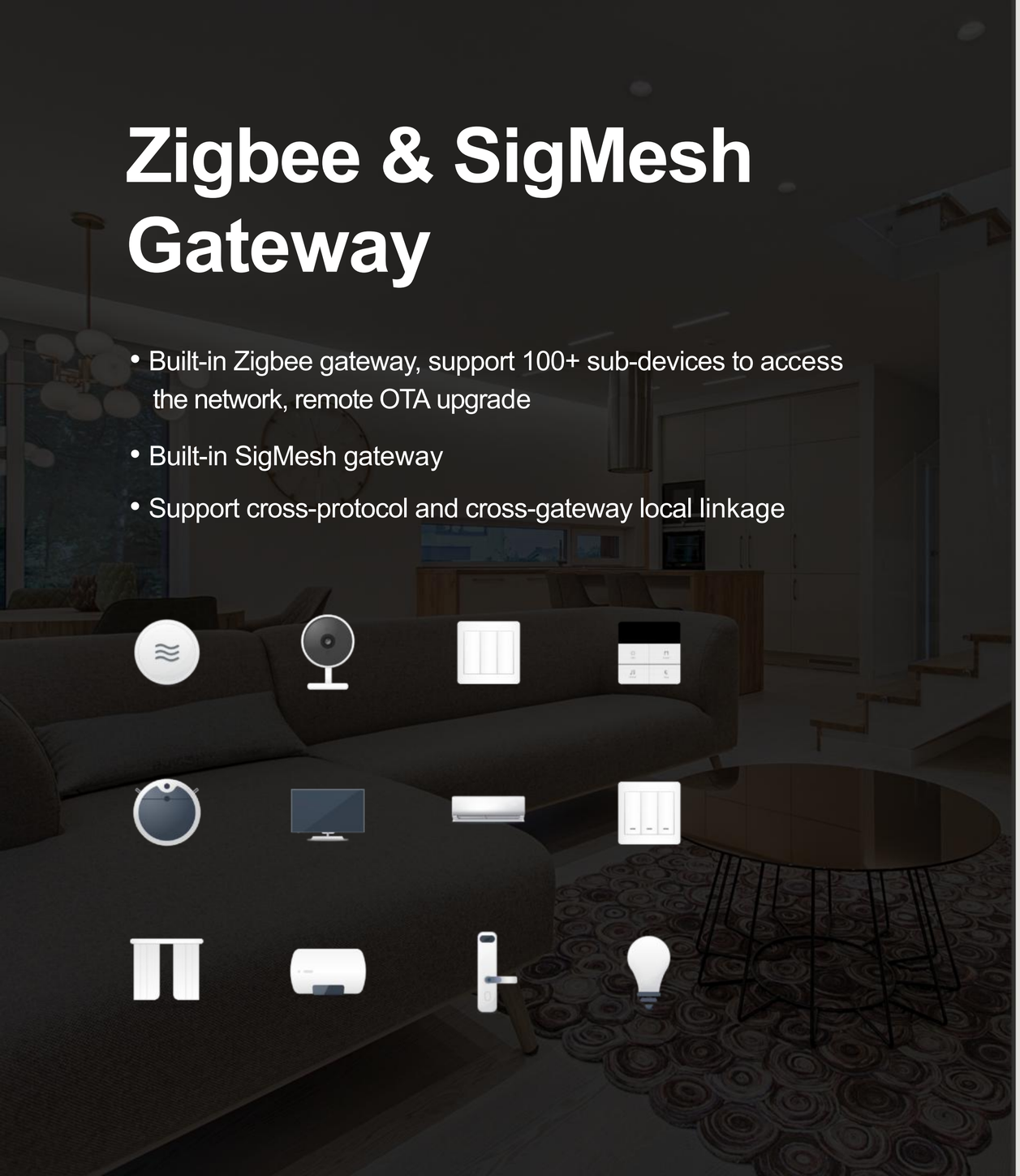
INDUSTRIAL & AGRICULTURE

Agriculture / Industrial

IRRIGATOR · WATER QUALITY MONITOR · WEATHER STATION · WATER QUALITY MONITORING · LIVESTOCK LOCATOR · MANIPULATOR

Zigbee & SigMesh Gateway

- Built-in Zigbee gateway, support 100+ sub-devices to access the network, remote OTA upgrade
- Built-in SigMesh gateway
- Support cross-protocol and cross-gateway local linkage



Alexa Voice Service

Alexa Built-in

Put Amazon Alexa in your walls and enjoy the convenience of built-in clutter-free voice control with audio and visual responses from a touchscreen panel on your wall.

Thanks to Alexa built-in, Smart Control Panel can realize voice control of IoT devices, trigger scenes, set alarm clocks, weather forecasts, traffic broadcasts, etc.

alexa | built-in

Answer & Unlock The Door From Smart Control Panel

Now everyone at home can see who’ s at the door with a Smart Doorbell without needing a phone or app. You can also let people in with a tap with a smart lock.

Audio & Video Call with Camera 、 Doorbell and Door Lock

P&T Camera

Cube Camera

Battery Camera

Smart Doorbell

Photo Doorbell

Video Door Lock

Edge Computing Brain

With Built-in Multimode Gateway, you can easily link Zigbee and SigMesh devices without a separate gateway.

Thanks to the hardware capability and local network first strategy, all devices can be controlled when the network is disconnected.

Device control without network ✓

Tap-to-Run without network ✓

Group control without network ✓

Automation logic executes at the edge ✓

Pairing devices without Mobile APP ✓

Contrast

Smart Control Panel S

Echo Show

iPad

	Smart Control Panel S	Echo Show	iPad
Built-in Zigbee Gateway	✓	✗	✗
Built-in SigMesh	✓	✗	✗
In-wall to replace a switch	✓	✗	✗
Local Control(off-network)	✓	✗	✗
Edge Computing	✓	✗	✗
Alexa Built-in	✓	✓	✗

600000+
PBT Products

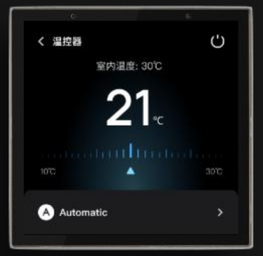
Cross-brand, cross-protocol, cross-gateway interconnection

All in one One is all

Gateway

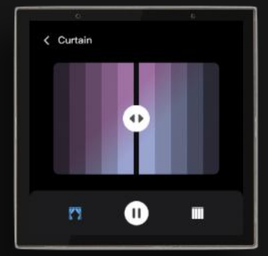
Smart Doorbell

Light Control



Air conditioner Panel

Switch Panel



Curtain switch

Powerful hardware configuration

Display

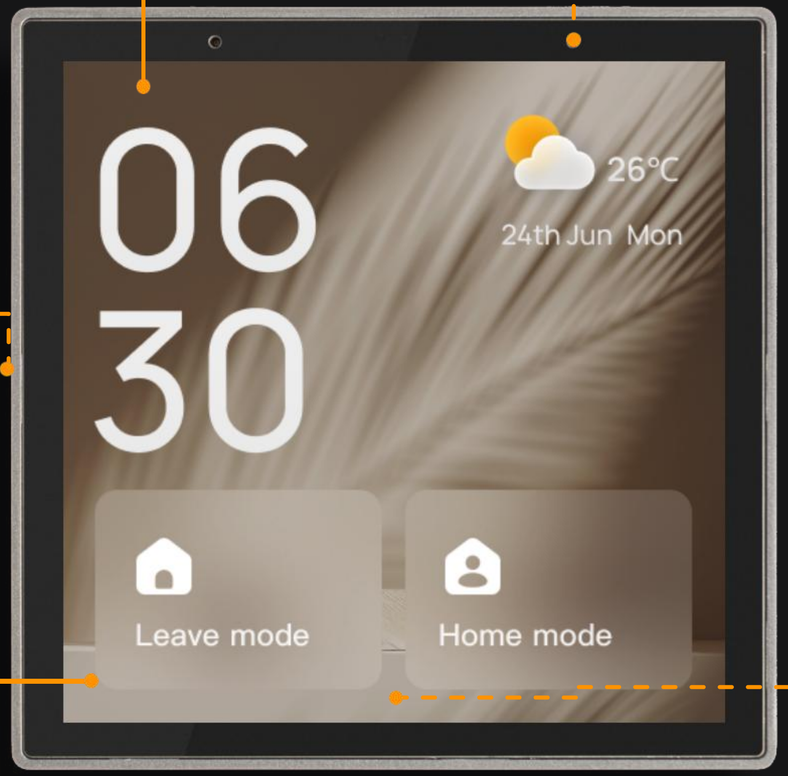
4-inch high-definition touch screen,
AE coating anti-fingerprint, 480*480

Chip platform

Quad-core ARM Cortex™ -A35,
1.5GHz

Memory

Flash 256MB
DDR 256MB



Dual Mic Array

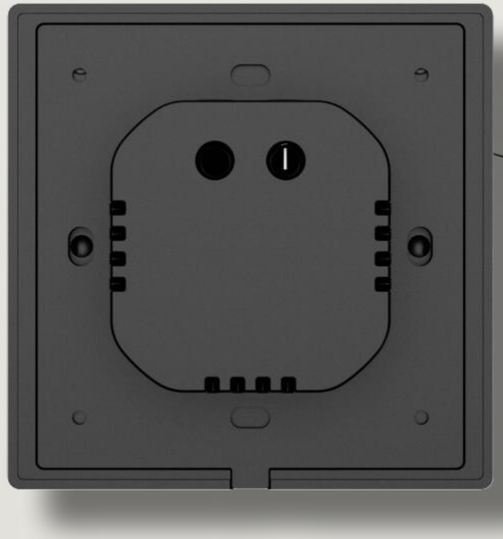
Symmetric Noise Reduction

Speaker

AAC 1813 Speaker

Easy installation

- No electrician required, regular cassettes can be installed
- Seamless replacement of existing switch panels



THANKS