Smart Home Systems

# Apple Home Smart Duplex

## SMART DUPLEX PACKAGE - TECHNICAL SHEET

8 Product Types | 24 Units | Apple Home

## TECHNICAL DATASHEET

English | Reference edition v1.0

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Branded reference copy - Apple Home Smart Duplex package

SMART HOME PACKAGE • APPLE HOME • DUPLEX

# Apple Home Smart Duplex

## Smart Duplex Package - Product Technical Sheet

A smart-home package for duplex homes: Zigbee gateways, lighting control, gas safety, IR appliance control, smart access, Apple voice control and a central control panel. This sheet lists the technical data of each product included in the package.

**8 Product Types**
Gateways, lighting, safety, IR, access, voice and control.

**24 Units in Total**
Including 15 four-gang smart switches.

**Apple Home**
HomePod mini as the Apple Home hub.

## Package Contents

| # | Product | Quantity |
|---|---|---|
| 1 | Zemismart Zigbee Hub T1 | 2 units |
| 2 | AVATTO Concave Zigbee - 4 Gang | 15 units |
| 3 | Tuya Zigbee Smart Gas Leak Detector | 1 unit |
| 4 | Tuya Zigbee Smart Valve Controller | 1 unit |
| 5 | Zemismart Zigbee IR - ZM-18-USB | 2 units |
| 6 | Aqara A100 Zigbee Smart Lock | 1 unit |
| 7 | Apple HomePod mini | 1 unit |
| 8 | Tuya 8 Inch Smart Home Control Panel | 1 unit |

**Note:** Apple Home integration of Tuya and Zigbee devices depends on the supported gateway, bridge and system configuration.

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PRODUCT 01 OF 08

# Zemismart Zigbee Hub T1

**Quantity in package: 2**



## Product and Application

A wired gateway for compatible Tuya Zigbee devices, lighting, sensors and automation across duplex zones.

## Features and Role in the Package

Groups compatible devices in one app for centralized control. Create arrival and bedtime scenes, schedules and sensor-triggered actions. Wired Ethernet connects each gateway to the home network; distribute the two units according to floor layout and device coverage.

## Technical Data

| Item | Specification |
|---|---|
| Brand / model | Zemismart / T1 |
| Protocol | Zigbee |
| Network | Ethernet 10/100 Mbps |
| Power input | DC 5V / 1A |
| Approx. dimensions | 98 x 98 x 22 mm |
| Apps | Tuya Smart / Smart Life |
| Devices | Switches / lights / curtains / sensors / plugs |
| Functions | Central control / scenes / schedules / automation |

**Installation and Compatibility:** Requires Ethernet and continuous power. Position both hubs according to the site and device layout. A compatible bridge is needed if Apple Home integration is required.

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PRODUCT 02 OF 08

# AVATTO Concave Zigbee - 4 Gang

**Quantity in package: 15**



## Product and Application

Touch and app control for four independent lighting circuits per switch; 15 switches provide up to 60 circuits when all channels are used.

## Features and Role in the Package

Each switch has four independent on/off channels. Schedule daily lighting, create a leaving-home scene or share control with family members. The glass concave interface combines touch operation with app control.

## Technical Data

| Item | Specification |
|---|---|
| Brand | AVATTO |
| Package variant | 4 Gang - four independent channels |
| Communication | Zigbee |
| Apps | Tuya Smart / Smart Life |
| Control | Touch / app / supported voice platform |
| Front panel | Glass, concave touch design |
| Scheduling | Timers and automatic on/off |
| Sharing | Group control and family sharing |
| Installation | Neutral wire and compatible Zigbee hub |

> **Installation and Compatibility:** Verify electrical load rating and wall-box fit. Requires a compatible Zigbee gateway; Apple Home integration needs a supported bridge.

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PRODUCT 03 OF 08

# Tuya Zigbee Smart Gas Leak Detector

**Quantity in package: 1**



## Product and Application

Gas-leak monitoring with a local audible alarm and phone notifications through a compatible gateway.

## Features and Role in the Package

Combines an in-room alarm with phone alerts. A compatible valve can be included in a tested shutoff automation. Intended for gas-use areas; the supported gas and mounting position must follow the supplied detector manual.

## Technical Data

| Item | Specification |
|---|---|
| Communication | Zigbee; compatible gateway required |
| Apps | Tuya Smart / Smart Life |
| Gas types | Natural gas / LPG |
| Alarm threshold | 6% LEL for methane CH4 |
| Audible alarm | 70 dB at 1 metre |
| Material | ABS |
| Operating temperature | -10 to +50 °C |
| Humidity | Up to 95% RH |
| Plug | EU / US / AU, depending on variant |

**Installation and Compatibility:** Choose the mounting position using the supplied manual and gas type. Check the supply voltage on the device label. Valve shutoff needs configuration and an actual functional test.

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PRODUCT 04 OF 08

# Tuya Zigbee Smart Valve Controller

**Quantity in package: 1**



## Product and Application

Motorized operation of a suitable existing water or gas valve, with app control and automation.

## Features and Role in the Package

Moves the handle of a suitable existing valve without replacing the pipework. Open or close through the app, a timer or a configured scene. Useful for water management or a tested gas-safety response.

## Technical Data

| Item | Specification |
|---|---|
| Protocol | Zigbee 3.0 |
| Power supply | DC 12V |
| Current | 1A |
| Torque | 30-60 kg.cm |
| Insulation resistance | Greater than 20 MOhm |
| Operating temperature | -10 to +50 °C |
| Apps | Tuya Smart / Smart Life |
| Operation | Manual / automatic / schedule / app |
| Box contents | Valve controller + EU power adapter |

> **Installation and Compatibility:** Check handle size, torque, mounting clearance and travel. A compatible Zigbee gateway is required. Gas-related automation must be configured and functionally tested after installation.

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PRODUCT 05 OF 08

# Zemismart Zigbee IR - ZM-18-USB

**Quantity in package: 2**



## Product and Application

App and scene control for compatible IR appliances including air conditioners, TVs and set-top boxes.

## Features and Role in the Package

Sends IR commands and supports DIY learning for remote functions not available in the app library. Schedule appliances or combine TV, AC and lighting in a scene. Two units serve different zones; sending an IR command does not guarantee feedback of the actual appliance state.

## Technical Data

| Item | Specification |
|---|---|
| Brand / model | Zemismart / ZM-18-USB |
| Product type | USB-powered smart IR controller |
| Protocol | Zigbee |
| Power input | DC 5V / 1A - USB |
| IR range | Up to 15 m; conditions apply |
| Transmission angle | 360 degrees |
| App | Tuya Smart |
| Learning | DIY Learning |
| Functions | App control / scheduling / scenes |
| Integrations | Apple Home / Alexa / Google; compatible setup |

> **Installation and Compatibility:** Requires a wired Zigbee gateway; wireless hubs are not supported. Needs USB power and suitable IR placement. Apple Home integration depends on the gateway and bridge and should not be assumed through T1 alone.

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PRODUCT 06 OF 08

# Aqara A100 Zigbee Smart Lock

**Quantity in package: 1**



## Product and Application

Flexible main-door access for family and guests using fingerprints, PIN codes, NFC and compatible smart-home functions.

## Features and Role in the Package

Create individual access for residents and guests. Add fingerprints, PINs and NFC devices; temporary and periodic codes help manage visits. A mechanical key is also available. Remote functions depend on the compatible system setup.

## Technical Data

| Item | Specification |
|---|---|
| Brand / model | Aqara / ZNMS02ES |
| Colour | Black |
| Protocol | Zigbee |
| Unlock methods | 9 |
| Fingerprints | Up to 50 |
| PIN codes | Up to 50 |
| NFC devices | Up to 25 |
| Local methods | Fingerprint / PIN / NFC / mechanical key |
| Smart methods | Aqara app / Apple Home / Google Assistant |
| Additional PIN types | One-time and periodic PINs |

> **Installation and Compatibility:** Check door thickness, opening direction and cutout fit. Some remote Aqara services require a compatible Aqara hub; T1 should not be assumed to replace it. Confirm power and dimensions from the supplied manual.

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PRODUCT 07 OF 08

# Apple HomePod mini

**Quantity in package: 1**



## Product and Application

Siri voice control, music playback and a home hub for compatible Apple Home devices.

## Features and Role in the Package

Ask Siri to run compatible scenes or adjust lights, and stream music using AirPlay. Intercom supports voice messages within the Apple ecosystem. HomePod mini also acts as an Apple Home hub.

## Technical Data

| Item | Specification |
|---|---|
| Brand / model | Apple / HomePod mini |
| Type | Smart speaker |
| Voice assistant | Siri |
| Audio | 360-degree audio |
| Smart home | Apple HomeKit / Matter |
| Apple integration | iPhone / iPad / Mac / Apple TV |
| Streaming / music | AirPlay / Apple Music |
| Home communication | Intercom |
| Design | Compact format for room placement |

**Installation and Compatibility:** Set up with an Apple account, a compatible device and the home network. Controls supported devices in Apple Home; adding a HomePod does not automatically expose every Tuya device.

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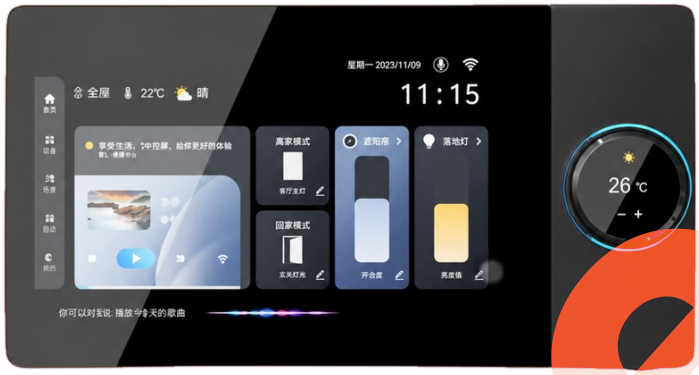
PRODUCT 08 OF 08

# Tuya 8 Inch Smart Home Control Panel

**Quantity in package: 1**




## Product and Application

A wall-mounted interface for compatible Tuya devices, scenes and audio playback.

## Features and Role in the Package

A fixed screen makes device and scene control accessible in a central location. A rotary knob supports compatible adjustments such as volume. The built-in amplifier can drive external speakers; speakers and wiring require separate provision and are not included in this package.

## Technical Data

| Item | Specification |
|---|---|
| Main display | 8-inch IPS / 1280 x 800 |
| Secondary display | 1.28-inch / 240 x 240 |
| OS / CPU | Android 8.1 / Quad-core A35 |
| Memory | 2GB RAM / 16GB storage |
| Supported devices | WiFi / Zigbee |
| Network / integration | 2.4 GHz WiFi / LAN / RS485 |
| Amplifier | 4 channels / 4 x 10-25W / 4-8 Ohm |
| Audio inputs | Bluetooth 4.0 / AUX-in / TF / USB |
| Formats / extra output | FLAC / APE / WAV / MP3 / WMA; subwoofer |
| Mounting / colour | Single 86 / double 86 wall box; grey |

> **Installation and Compatibility:** The panel is a Tuya interface; direct Apple Home operation is not confirmed. Check power, mounting dimensions and speaker wiring before installation.

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