



Smart Control Panel L Tec Spec

Model : TPP05-Z (US)

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1.Product Description

Smart Control Panel L adopts a 5–inch full touch screen, developed based on the Linux platform, supports the installation of mainstream 120–type bottom boxes, comes with two relays, can seamlessly replace the switch panel, and integrates Zigbee gateway and Alexa intelligent voice control functions at the same time. Users can control devices and scenes through various methods such as touch and voice, helping users manage smart devices and scenes at home quickly and conveniently. It is suitable for use in North America, Latin America, Japan and other regions.

2.Application field

- ✧Smart Home
- ✧Hotel
- ✧Community
- ✧Estate

3.Features

1、 Zigbee gateway

The integrated Zigbee gateway function can replace the Zigbee gateway at home, and has the edge capability of localized control.

2、Alexa voice function

Built-in Alexa voice assistant, voice control of home devices, scenes and other voice skills.

3、Device control

Rich device control entrances and diverse control forms, compatible with most Tuya ecological equipment.

4、Scene control

Both screen interaction and voice interaction can trigger scenes to meet different needs in life.

5、Easy to install


Neutral and live wire installation, the intelligent upgrade can be completed by using the standard 120 cassette.

6、Simple configuration


Scan the code to log in, and the devices and scenes in the mobile app will be automatically synchronized to Smart Control Panel L.

4.Product specification

| Basic Information | |
|-------------------|-----------------------|
| Product number | TPP0 5-Z (US) |
| Product name | Smart Control Panel L |

| | | | |
|------------------------|-----------|--|-----------------|
| Picture | |  | |
| Input | | 100–240VAC,50/60Hz | |
| Wireless protocol | | Wi-Fi,Sigmesh (reserved), Zigbee | |
| Operating temperature | | 0~40 °C | |
| Working humidity | | 5%–90%RH (non–condensing) | |
| Size | | 72 * 127 . 3 *10.5mm (without base) | |
| | | 72 * 127 . 3 *36. 5 mm (including base) | |
| Hardware specification | | | |
| Chip solution | Mainboard | Chip manufacturer | Rockchip |
| | | Mainboard model | TPP05–Z–US_PCBA |
| | | Main chip model | RK 3308B–S |
| | | Main chip frequency | 1.3GHz |

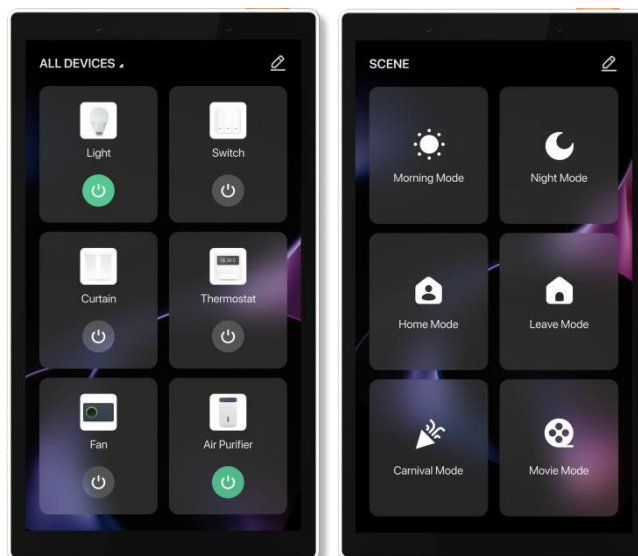
| | | | |
|-----------|--------------|------------------------|---|
| | | Main chip architecture | Quad-core ARM Cortex™-A35 |
| | Power board | Manufacturers | Biya |
| | | Model | KP21824MSG |
| | Wi-Fi | Manufacturers | Realtek |
| | | Model | RTL8733BS |
| | | Type | Uplink 2.4GHz, 5GHz |
| | Zigbee | Manufacturers | Tuya Smart |
| | | Model | ZS 13 S |
| | | Type | Downlink Zigbee |
| | Storage | Flash | 256MB |
| | | DDR | 256MB |
| interface | Power supply | Input | 100 ~ 240 VAC(±10%), 50/60Hz ± 3Hz neutral line |
| | Ethernet | Specification | 1*100M RJ45 |
| | | type | Uplink |
| | Screen | Size | 5 inches |
| | | Resolution | 480* 854 |
| | | Type | Multi-touch capacitive screen, anti-fingerprint coating |
| | Microphone | Number | 2 mics |
| | Speaker | Number | 1 |

| | | | |
|--|--|--|---|
| | | Power | 1.2W |
| | Antenna | Number | 3 |
| | | Type | Built-in shell antenna |
| | 485 | Number | 1 |
| | | Type | RS485 interface |
| | Relay | Number | 2 |
| | | Power | Single channel up to 200 W, total up to 400 W |
| Software function | | | |
| Operating system | | Based on Linux kernel, self-developed OS | |
| Login Method | | Scan code to log in | |
| Display function | Support theme、screensaver、off-screen and proximity wake-up, voice wake-up, touch wake-up | | |
| | Multiple sets of personalized themes and screensaver switching | | |
|  | | | |

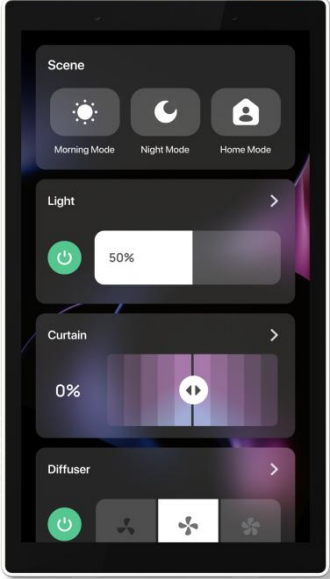
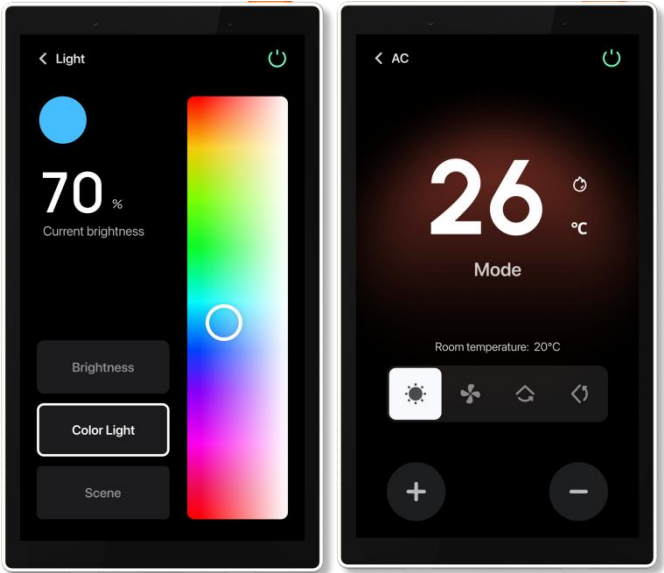
The Home page displays weather, time, date, week, shortcut control, etc.



Device list、Scene list display



Interactive display on Quick Control

| | |
|------------------|--|
| |  |
| control function | Home shortcut control |
| | Device quick control |
| | Tap-to-Run |
| | Quick Control |
| | <p>Fine control of device</p> <div data-bbox="810 1265 1476 1836">  </div> |
| | <p>Please consult Tuya for the compatibility list of currently supported device categories</p> |

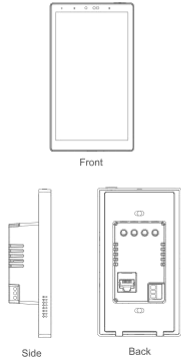
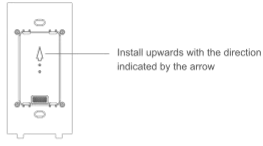
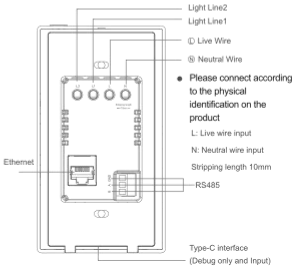
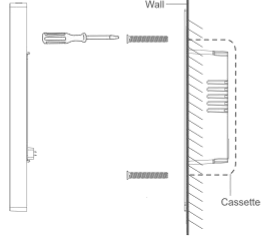


Smart Control Panel L Tec Spec

| | | |
|-------------------------|--------------------|---|
| Zigbee gateway function | | More than 80 sub-devices that support Zigbee communication types are connected to the network |
| | | Support remote access to logs |
| | | Support OTA |
| | | Support LAN equipment and scene control |
| | | Support local linkage across gateways and communication protocols |
| Voice service | voice control | Alexa Built-in |
| | Speech skills | Device control, scene control, weather query, news query, etc. |
| set up | Network settings | WLAN settings、Ethernet settings |
| | Sound | Mute setting, volume adjustment |
| | | Multimedia call-in settings |
| | Display adjustment | Brightness manual and automatic adjustment settings |
| | | Screen saver |
| | | Do not disturb at night settings |
| | Device and System | System Upgrade |
| | | Device restart |
| | | Reset |
| | | Clear cache |

| | | |
|--|---------------|-------------------------------------|
| | Theme | Theme selection |
| | Language | Language selection |
| | Date and time | Local time zone, date, time display |
| | Screen saver | Screen saver selection |
| | Proximity | Proximity switch |
| | sensing | Distance setting |
| | About | Device ID |
| | | IP address |
| | | MAC address |

| | |
|-----------------------|-------------------------|
| Working environment | |
| Operating temperature | 0~40 °C |
| Working humidity | 5%~90%RH non–condensing |
| Warranty | 1 year warranty |

5.Installation guide

| | | |
|--|---|---|
| <p>Product description</p> <p>This in-wall Smart Control Panel L mainly provides gateway functions, interactive functions and scene panel functions. It is installed in the cassette of the user's home. The user can manage the sub-devices at home via interactive methods such as screens and apps.</p>  <p>Front Side Back</p> | <p>Product Installation</p> <p>Installation preparation</p> <ol style="list-style-type: none"> ① This product is powered by the neutral wire, please arrange the neutral wire in advance. ② This product is connected to the network through Wi-Fi or Ethernet, please arrange the Wi-Fi network or Ethernet cable in advance. ③ If you need to use the relay, RS485, security network port of this product, please preset the relevant cables in advance. ④ In order to ensure electricity safety and wireless performance, please use the standard plastic box for installation and use. ⑤ Please bring your own screwdriver, test pen, electrical tape and other tools, please do not operate with electricity. | <p>Installation Instructions</p> <ul style="list-style-type: none"> • Turn off the main power switch, and use a test pen to confirm that the live wire in the cassette is not live. • Remove the panel (as shown below):  <p>Install upwards with the direction indicated by the arrow</p> <p>Wiring Instructions</p>  <ul style="list-style-type: none"> • Please connect according to the physical identification on the product L: Live wire input N: Neutral wire input Stripping length 10mm RS485 Type-C interface (Debug only and Input) |
| <ul style="list-style-type: none"> • Check the wiring to make sure that the copper wire is in good contact with the terminal and there is no exposed wire. • After fixing the base to the cassette with mounting screws, buckle back the panel. • Please note that the screws should not be tightened too tightly during the installation process to avoid deformation or damage to the screen or hardware. • If you encounter any problem with the installation, do not press too hard to force the installation. You should level the wall first and check the bracket.  <p>Wall Cassette</p> | <p>Quick Setup</p> <p>Download and open the app</p> <p>Search for "Smart Life" App in the App Store or scan the QR code on the outer packaging/instructions to download and install the App.</p> <p>For the first-time use, please click the "Register" button to register an account; if you already have an account, click the "Login" button.</p>  <p>Scan the QR code to download "Smart Life" App *App is subject to the actual released version</p> | <p>Commission settings</p> <ol style="list-style-type: none"> 1. Install the device according to the installation guide. Turn on the power, and wait for the device to initiate. Connect to the network according to the instructions on the screen. 2. Open the Smart Life App, then scan the QR code on the device to configure the network (as shown in the figure below), and perform related operations according to the instructions on the device interface after the commission is successfully finished.  <p>*The QR code is based on the display of actual device</p> |

6.Packing list

Smart Control Panel L x1

Screw x 2

Card pin x1

Manual x1

Version update record

| Seri al num ber | Updated | Update content | Updated version |
|--------------------------|---------------------|----------------|--------------------|
| 1 | 20 2 3 – 08 – 10 | first edition | V1.0.0 |
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