

Tuya Ecosystem Integration Gateway User Manual

TSE100



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Safety instructions

- Before installation, please read user manual carefully and observe relevant standards, directives, regulations and instructions.
- Electrical equipment must be installed and programmed by qualified technicians only.
- This device is manufactured according to the relevant technical specifications and have CE.
- For more information of this product, please contact the technical engineer of manufacturer.
- Users are not permitted to alter and maintain the product without the authorization of manufacturer.
- Failure to observe the instructions may cause damage to the device and result in fire or other hazards.

Product Overview

The TSE100 is a bridge device that integrates the Tuya system. It features stable product functions and reliable data security. By connecting the mainstream smart home systems in the market with the Tuya ecosystem through communication interfaces such as KNX, RS232, RS485, or IP, it enables the Tuya APP, Smart Life APP, and Kanonbus APP to synchronously control home devices in Zigbee, KNX, and other smart systems. It can control devices such as lights, curtains, air conditioners, and under-floor heating. Users can utilize the custom - scene function of the Zhengjue APP to achieve functions like scene setting, timing control, and linkage between devices and systems. The TSE100 supports the following functions: controlling lights, curtains, air conditioners, fresh - air systems, sensors, etc. It can support up to 200 objects at most.

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Product Features

- 1.Unlimited product integration:
The Tuya ecosystem and the Kanonbus ecosystem can be infinitely integrated. All products within the Kanonbus ecosystem, including wired products such as those based on KNX, SCS, Philips, Lutron systems, air conditioners, floor - heating systems, music devices, sensors, as well as wireless products from other brands, can be seamlessly integrated with Tuya.
- 2.Sufficient integration points:
It supports a maximum of 200 sub - devices, allowing any combination of Kanonbus sub - devices and Tuya sub - devices.
- 3.True two - way integration:
Products integrated by the Zhengjue host can be submitted to the Tuya platform for management. Conversely, products from the Tuya ecosystem can also be submitted to the Kanonbus platform, such as the Kanonbus APP or touch - screen devices, for management.
- 4.Perfect data integration:
There's no need to create automation on the Tuya platform. All types of data (such as digital signals and analog signals) can be directly and perfectly integrated locally. The system can operate normally even when the external network connection is lost.
- 5.Flexible project implementation:
Thanks to the uniquely - developed Kanonbus TAP wireless device signal access point, the "antenna" function can be extended to any location with access to a local - area network cable.
- 6.Easy programming and debugging:
The background operation features a fully graphical interface. All data from the Tuya ecosystem can be automatically converted with a single click.
- 7.Convenient after - sales maintenance:
For Tuya wireless devices that need replacement, the "replace device" function can be used with one click, eliminating the need to re - debug the mapping relationships.

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Product Configuration

- 1)This product adopts the web page programming method. Please use browsers that are not based on the IE kernel for function configuration, such as Firefox, Chrome, etc.
- 2>Login address: 192.168.1.232
- 3)Username: admin
- 4)Password: 123

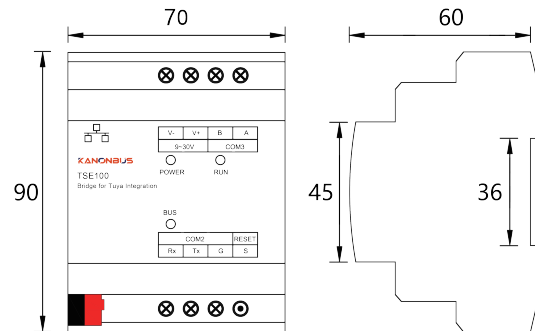
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Product parameters

Parameter	Types	TSE100
Product Info		
Dimensions (WxHxT)		70mm×90mm×60mm
Power Supply		9-30V DC
Type of protection		IP20
Operation		0°C~70°C
Storage		-25°C~70°C
Installation method		Rail-mounted installation
LED indicator light		
POWER		Working indicator light
RUN		Operating indicator light
BUS		KNX system indicator light

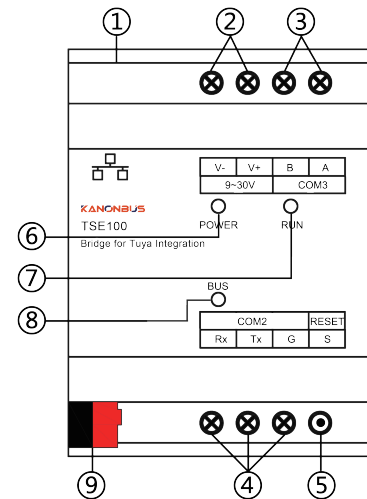
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Product dimensions



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Operating instructions



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Operating instructions

- ① RJ45 network interface
- ② Power supply interface: V+ is the positive pole and V- is the negative pole.
- ③ COM3: RS485 terminal block (TSE100 - 485)
- ④ COM2: RS232 terminal block (TSE100 - 232)
- ⑤ Reset button: Press and hold this button for 6 seconds. When the RUN indicator light flashes rapidly and then stays constantly on, the device will be restored to its factory settings (including the host IP network parameters, serial port settings, and startup mode).
- ⑥ POWER indicator light: After power - on, it stays constantly red.
- ⑦ RUN indicator light: When operating, it stays constantly red. When sending and receiving data, it flashes rapidly in red.
- ⑧ BUS indicator light: After being connected to the KNX system, it stays constantly red.
- ⑨ KNX bus terminal: Can be connected to the KNX system (TSE100 - KNX)

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