

# WxS885B-C3545x<sub>(x:1/3)</sub>

## LoRaWan Smart Socket

### Product Highlights

- ❖ LoRawan Portable/Wall-embedded Smart Socket
- ❖ Based on LoRaWAN 1.0.2
- ❖ Class C Speed Control
- ❖ Support power-off/power on alarm (Overcurrent protection / Load sensing)
- ❖ Support remote control of power on/off
- ❖ Support button control of power on/off
- ❖ The indicator light displays the status
- ❖ Support LoRa downlink/Bluetooth tool configuration
- ❖ Strong penetration
- ❖ Easy installation
- ❖ Antenna: Integrated internal antenna
- ❖ Optional (Public/Private) IoT cloud platform PolySuite iView and LoRaWAN network iServer

### Specifications

| Parameters              |                                                                                     |         |                                                                                      |         |
|-------------------------|-------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|---------|
| Product Number          | WxS885B-C35451                                                                      |         | WxS885B-C35453                                                                       |         |
| Product picture         |  |         |  |         |
| Holes                   | 5-holes                                                                             | 3-holes | 5-holes                                                                              | 3-holes |
| Type                    | Portable                                                                            |         | Wall-embedded                                                                        |         |
| Max. Output Current     | 10 A                                                                                | 16 A    | 10 A                                                                                 | 16 A    |
| Reported Data           | Power-on status / Switch status / Energy consumption data                           |         | Power-on / Event / Status / Action                                                   |         |
| Control Method          | Professional energy metering IC / Relay control                                     |         | /                                                                                    |         |
| Parameter Configuration | Bluetooth Mini-Program / LoRa Downlink                                              |         | LoRa downlink / Bluetooth tool                                                       |         |
| Event Alarm             | /                                                                                   |         | Overcurrent protection / Load sensing                                                |         |
| Wireless                |                                                                                     |         |                                                                                      |         |
| Protocol Version        | LoRaWAN 1.0.2                                                                       |         |                                                                                      |         |
| Communication Mode      | Class C (Immediate Downlink Communication)                                          |         |                                                                                      |         |
| Frequency Bands         | CN470/EU868/US915/AU915/AS923                                                       |         |                                                                                      |         |
| Network Access Mode     | /                                                                                   |         | OTAA/ABP                                                                             |         |
| Receive Sensitivity     | -141 dBm @ SF12, 152 kHz                                                            |         |                                                                                      |         |
| Transmit Power          | 17 dBm (CN470), max. 27 dBm                                                         |         |                                                                                      |         |
| Communication Range     | Urban: 2–4 km / Suburban: 5–10 km                                                   |         |                                                                                      |         |
| Machinery               |                                                                                     |         |                                                                                      |         |
| Size                    | 100 × 53 × 33 mm                                                                    |         | 86 × 86 × 32 mm                                                                      |         |
| Installation Method     | Standard mains plug                                                                 |         | 86-type wall box installation, screw-fixed                                           |         |

operation temperature

-25 °C to +60 °C

-10 °C to +60 °C

Operating Humidity

≤95% RH (non-condensing)

5%–90% RH (non-freezing, non-condensing)

## Power

Power Supply

AC 110–260 V

Standard 90–250 VAC



## Decoder

- ❖ Payload Online Decoder:
  - <https://www.polysense.online/decode/index.html>
- ❖ Payload Online Documentations:
  - <https://github.com/Polysense/SensorDecoders>

## Application

Widely used in IoT fields such as smart gateways, smart security, smart lighting, and smart homes.

