

Portable Socket

Featuring LoRaWAN®

WS52

Milesight



WS52x is a LoRaWAN® smart portable socket for the monitoring and control of electrical appliances. Adopting most of international socket types, WS52x can be used for turning on or off the electrical devices locally or remotely and measuring power consumption data plugged on it and even sending overcurrent alarms. Compliant with Milesight LoRaWAN® gateway and Milesight IoT Cloud solution, WS52x can be monitored and controlled via webpage or mobile App remotely and triggered by other Milesight sensors.

WS52x can be widely used for wireless control of indoor lights, fans, heaters, machines, etc.

◆ Features

- Plug and play without any wirings, adopt most of international socket standards
- Turn on/off devices and create timing switch-on/off schedules remotely
- Collect current, voltage, power, electrical consumption and support overload protection
- Equipped with capacitor for power outage alert
- Ultra-wide-distance wireless transmission up to line of sight of 15 km
- Equipped with NFC for one touch configuration, support card emulation mode
- Function well with standard LoRaWAN® gateways and network servers
- Compliant with Milesight IoT Cloud

◆ Specifications

| Wireless Transmission | |
|--------------------------|---|
| Technology | LoRaWAN® |
| Frequency | CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923-1&2&3&4 |
| Tx Power | 16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz) |
| Sensitivity | -137dBm |
| Mode | OTAA/ABP Class C |
| Electrical | |
| Socket & Plug Type | US/EU/AU/UK/CN, etc. |
| Operating Voltage | 100~250 VAC, 50~60 Hz |
| Max Load Capacity | 10 A~16 A (Optional), 250 VAC |
| Measurement | Voltage (VAC), Current (mA), Power Factor (%), Power (W), Power Consumption (kWh) |
| Measurement Accuracy | ±3 % |
| Software | |
| Configuration | Mobile App via NFC or Downlink |
| Power Control | Button or Remote Control |
| Advanced Features | Schedule Switch, Button Lock, Overcurrent Protection/Alarm, Multicast, Power Outage Alert |
| Others | |
| LED Indicator | 1 |
| Button | ON/OFF, Reset |
| Physical Characteristics | |
| Material | Polycarbonate |
| Color | White |
| Operating Temperature | -20°C to +60°C (-4°F to +140°F) |
| Relative Humidity | 10% to 90% (non-condensing) |
| Dimensions | 110 × 62.3 × 34.6 mm (4.33 × 2.45 × 1.36 in) (Plug is not included) |