

Portable Socket

Featuring LoRaWAN®

WS523



WS523 is a LoRaWAN® smart portable socket for the monitoring and control of electrical appliances. Adopting most of international socket types, WS523 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, WS523 can be monitored and controlled via webpage or mobile App remotely and triggered by other Milesight sensors.

WS523 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
- Support Milesight D2D protocol to enable ultra-low latency control without gateway

◆ Specifications

Wireless Transmission	
Technology	LoRaWAN®, Milesight D2D
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	±1 %
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, Milesight D2D Agent
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)



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