

Portable Socket

Featuring LoRaWAN®

WS52x



WS52x is a LoRa smart portable socket for the monitor control of electrical appliances. Adopting most of international socket standards, 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 on/off schedules remotely
- Collect current, voltage, electrical consumption and support overload protection
- 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
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/CN, etc.
Operating Voltage	100~250 VAC, 50~60 Hz
Max Load Capacity	10 A/16 A (Optional), 250 VAC
Measurement	Voltage (VAC), Current (A), Power Factor (%), Power Meter (kWh)
Software	
Configuration	NFC
Power Control	Button or Remote Control
Advanced Features	Schedule Switch, Button Lock, Overcurrent Protection/Alarm
Others	
LED Indicator	1
Button	ON/OFF, Reset
Physical Characteristics	
Material	Polycarbonate
Color	White
Operating Temperature	-10°C to +60°C (14°F to +140°F)
Relative Humidity	10% to 90% (non-condensing)
Dimensions	110 × 62 × 35 mm (4.33 × 2.44 × 1.38 in)

