UbiBot ® SP1-SIM is a cloud-supported smart plug that enables full control of connected appliances according to the environmental conditions. It supports two types of connection: WiFi and mobile GPRS/3G/4G. A mobile GPRS/3G/4G network provides internet connection when WiFi is not available. The smart plug allows for physical control (via button), user-operated remote control (via App), and fully automatic schedule.

Smart Plug SP1-SIM can make ordinary appliances connected to the Internet of Things and become intelligent. Smart Plug SP1 can be connected to UbiBot ® IoT Platform. The working status, timing and linkage of other connected devices can be set on the platform to achieve   intelligence.
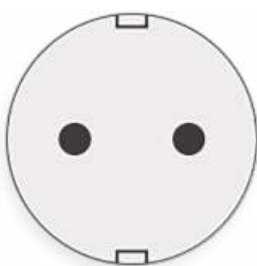
Smart Plug SP1-SIM can connect a variety of external probes with which it can monitor the environmental conditions and synchronize real-time data to the UbiBot cloud platform using WiFi or mobile GPRS/3G/4G connection. This allows users access to both real-time and historical data through the UbiBot App or Web Console platform from anywhere in the world. With the automation rules you set, Smart Plug SP1-SIM can power on/off the appliances connected with it automatically according to the environmental conditions. For example, it can turn on the fan when the temperature is higher than 26 °C. It can also trigger alerts when any metrics go out of the preset range. You will be notified of any actions by free email alerts, app notifications, SMS, voice call, and HTTP.

FEATURES

· WiFi-enabled wireless remote control and fully automatic control
· New international safety standards - child protection design; 750℃ high temperature flame resistant material
· Scheduling, timer, countdown, and linkage control to automatically power on/off connected appliances
· External probes are supported to realize real-time environmental monitoring and automatic power on/off according to the environmental conditions
· Voltage, Current, Power, Cumulative Electricity Consumption monitoring
· 2 types of network connection: 2.4 GHz WiFi and mobile GPRS/3G/4G, no hubs or gateways required
· Working with IFTTT, Alexa, Google Assistant, Google Sheet
· Free App & Web Console to access and monitor real-time data remotely, no subscription fee
· Unlimited UbiBot cloud storage for historical data; free historical data export
· Multiple ways of receiving real-time alerts: App notifications, emails, phone calls, SMS, HTTP
· Easy setup with free UbiBot App or PC tools
· With a capacity of 300,000 records, the memory stores all data even if WiFi is temporarily disconnected, ensuring there are no gaps in the data history
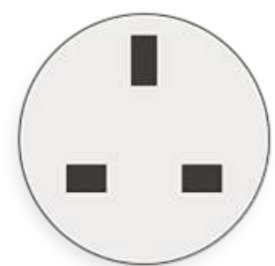· Compliance with CE, FCC, IC, RoHS

MULTINATIONAL STANDARDS

| European Standard | French Standard | American Standard | British Standard |

EXTERNAL PROBES & ACCESSORIES

With splitters, UbiBot® SP1-SIM supports multiple RS485 probes and 1 x DS18B20-Audio Temperature Probe:

- DS18B20-Audio Temperature Probe
- TH30S-B Temperature and Humidity Probe
- Soil Temperature and Moisture Sensor
- PT 100 Industrial-grade Temperature Probe
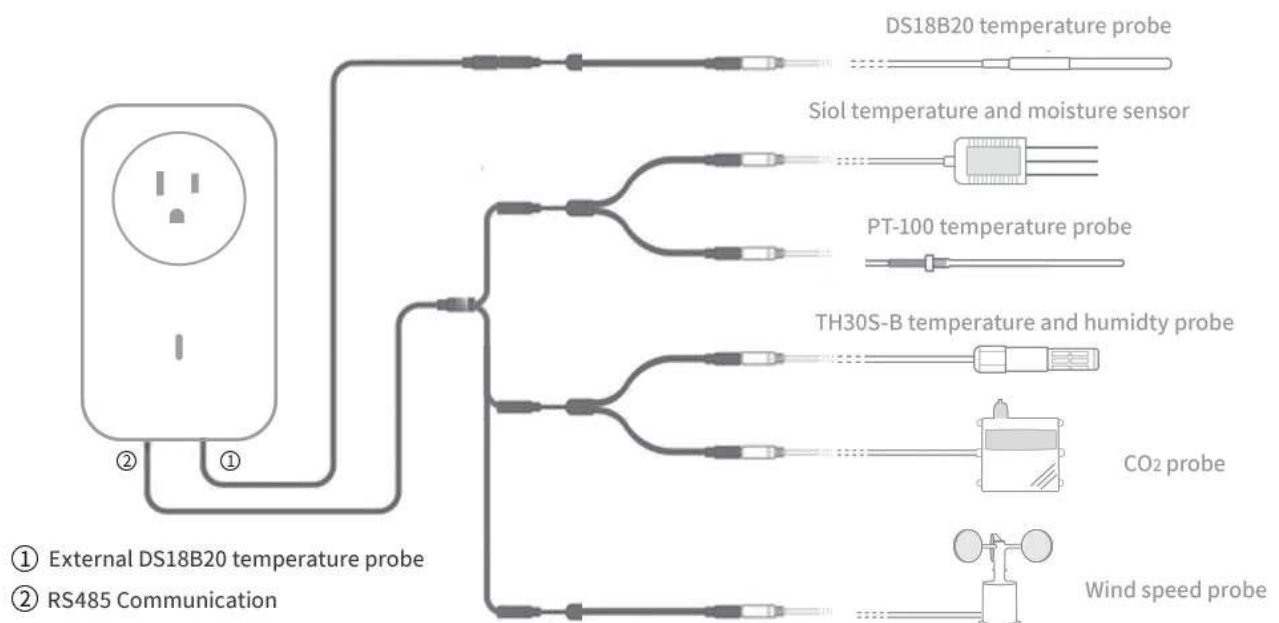- Wind Speed Sensor
- CO2 Probe

External Probes

· DS18B20-Audio Temperature Probe

· TH30S-B Temperature and Humidity Probe

· Soil Temperature and Moisture Sensor

· PT 100 Industrial-grade Temperature Probe

· Wind Speed Sensor

· CO2 Probe

Accessories

· UbiBot Audio Plug Splitter for connecting external probes

· UbiBot Audio Splitter - 1 male to 6 females for connecting external probes

· External Probe Extender - Audio Plug

· UbiBot Global SIM Card (free)

DS18B20 temperature probe

Siol temperature and moisture sensor

PT-100 temperature probe

TH30S-B temperature and humidty probe

CO2 probe

Wind speed probe

① External DS18B20 temperature probe
② RS485 Communication

NOTE: For RS485 probes, only one of each type can be connected at a time.

SPECIFICATIONS

Technical specifications	
Working Voltage	100 V - 250 V AC
Maximum Current	16 A
Maximum Power	3.5kW MAX (@220V±10%)/1.7kW MAX (@110V±10%)
Power dissipation	≤0.1 W
Measuring Accuracy	±0.1 V, ±0.01 A, ±0.1 W
Working Environment	-10℃ to 60℃ (14 ℉ to 140 ℉)
Plug Standard	Compatible with Europe, UK, US, France, China standards
Network connection	
WiFi	2.4GHz or 2.4/5GHz, channels 1-13 (5GHz WiFi NOT supported)
Mobile networks	LTE-FDD:B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/28/B66;LTE-TDD:B34/B38/B39/B40/B41;WCDMA:B1/B2/B4/B5/B6/B8/B19;GSM:850/900/1800/1900 MHz
Physical specifications	
Materials	Flame resistant ABS & PC
Dimensions	6.4 x 11.7 x 3.5 cm
Weight	50 g (±3 g)
Colour	White
Ports	1 x DS18B20 Audio; 1 x RS485 Audio
External probes	
External probes	1 x DS18B20 temperature probe, RS485 probe (TH30S-B, Soil Probe, PT-100, Wind Speed Sensor, CO2 Probe; only one of each type can be connected at a time)

UbiBot Cloud IoT Platform

Data Management: Manage all your IoT data in one place; you could add as many devices as you want to one UbiBot account.

Unlimited Storage: Unlimited cloud-based storage ensures you will never run out of space. This allows you to view all your historical data via UbiBot App or Web.

Free App & Web Console: Using **UbiBot App** and **Web Console** is free. Powerful and thoughtful features provide you brilliant experience.

Analysis and Visualization: Use powerful analysis and visualization tools to get the most out of your data; spot trends and direct comparisons.

Real-Time Alerts: Fully customizable alert system will notify you via **App notifications, emails, phone call/SMS, HTTP** whenever any metric goes out of the range preset.

Highly Secure Platform: UbiBot IoT platform is designed to keep all your data secure so you never have to worry about hackers or other security issues.

Third-Party Services: Working with **IFTTT, Alexa, Google Assistant, Google Sheet**

Compliant with FDA CFR21