
Wireless Plug-and-Play Range Extender with Backup Battery

Wireless Plug-and-Play Range Extender with Backup Battery Z809C Data Sheet

Wireless Sensor Network Based on ZigBee Technology



Z809C

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Z809C Appearance

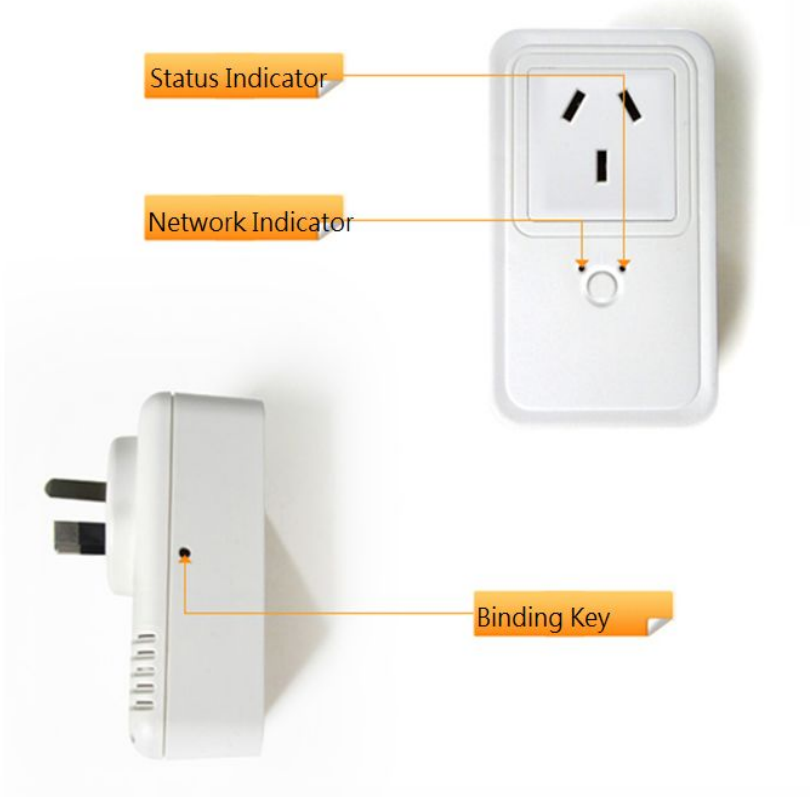


Figure 1. Appearance of Z809C (subject to the actual object)

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General Description

The Z809C is an indoor socket for smart homes and high reliability. It integrates a chip module that conforms to the ZigBee Pro™ wireless protocol and can communicate with routers, coordinators and terminals of the ZigBee network.

Main Characteristic

- Use the 2.4GHz ISM band for a total of 16 channels
- Wireless communication distance is 210 meters (depending on the specific environment)

Example Applications

- Indoor Only
- Others

Technical Specifications

Electric

Power Supply	100-240VAC , 50/60Hz
Typical Power Consumption	8mA/230VAC 0.35W (When the backup battery is not charged)

* Specific electrical characteristics may vary depending on the power supply voltage.

Frequency

Frequency Bandwidth	2.4~2.4835 GHz
Communication Channel	16 channels (ISM 11th to 26th channel)
Power Output	7dBm (maximum)
Receive Sensitivity	-99 dBm
Antenna Type	Built-in Antenna
Communication Distance	210 meters (depending on the specific environment)
Data Transfer Rate	250Kbps
Modulation Method	DSSS(O-QPSK)

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Physical

Dimension	95mm*56.2mm*34mm (without plug part)
Working Temperature	-10°C ~ +50°C
Environment Humidity Range	<90% RH (No condensation)
Storage Temperature	-40°C ~ 85°C

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