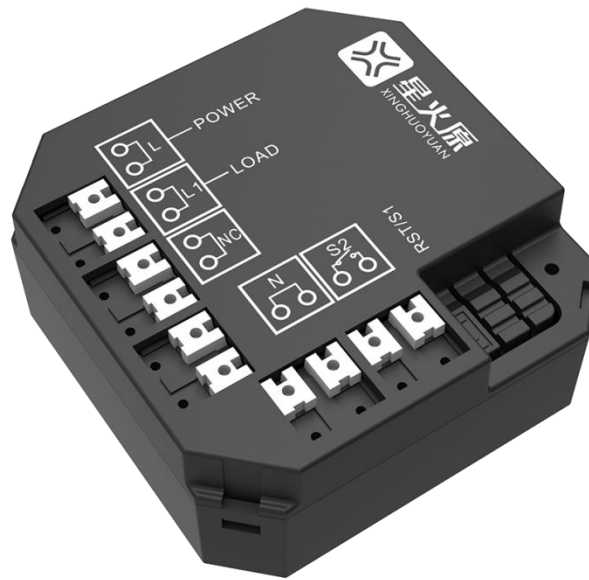


Smart Socket Module



1. Introduction

The smart socket module is a smart device with a built-in ZigBee module. It works with non-smart socket to make it smart. As a ZigBee end device, it can be remotely controlled via Sparx Smart App after being added in the ZigBee network. End users can install a Sparx Smart App on their iOS or Android phones and monitor their spaces via 2G/3G/4G/Wi-Fi.

1.1 Features

- Support standard protocol IEEE802.15.4;
- Support push physical buttons to control the power of the

socket

- Control the socket through the application on smart phones or tablets

2. Application

The switch replay module can be applied at home and office for the purpose of socket control.

3. Product Standard

Comply with the standard system of smart home.

4. Certification

Comply with 3C/FCC/CE/RoHS certification.

5. Product Parameters

5.1 Appearance Specification

Appearance	Parameters
Size	48 x 48 x 20 mm
Color	Black
Weight	30 g

5.2 Hardware specification

Item	Hardware Specifications
Button	- Press the push button switch for 12 times in 6 seconds to add the device;

	- Press the switch for 6 seconds to add the device;
Indicator	The blue indicator blinks 6 times when the module is being added in the system.
Terminals	AC100~240V, L input
	AC100~240V, N shared terminal
	AC100~240V, L1 output
Rated power	220 V ~ 10A (Max)
Life Span	100,000 times
Antenna	External 2.4G antenna
ZigBee	
Wireless standard	IEEE802.15.4
Wireless output power	4.5dBm (max)
Wireless receiving sensitivity	-97dBm (min)
Wireless coverage area	30m

5.3 Software Specification

Item	Software Specifications
Socket power control	Control socket power though physical buttons
	Control socket power through the application
Firmware upgrade	Upgrade firmware via the serial port

6. Functions

Features
- Control socket power though physical switch buttons - Control socket power through the application on iOS or Android phones

7. Product Performance

Item	Performance
ZigBee Performance	Comply with ETSI300 328 and EN301 489

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Reliability	High temperature test Low temperature test Vibration test Drop test Aging test
Certification	CCC, CE

8. Product Requirements

8.1 User Interface Requirement

See the user interface of the Sparx Smart application.

8.2 Working Environment

Working Environment	Requirement
Storage Temperature	-20°C~+60°C
Operating Temperature	-10°C~+50°C
Humidity	0~90%, Non-Condensing

8.3 Installation

