

Datasheet

Version 0. 2

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History

Version	Date	Note
V 0.1	201 3 - 11 - 0 7	Initial Release
V 0.2	2013-12-24	Hardware update

Notes :

Hardware Version 1.0

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Integrated Wireless Smart Home Controller

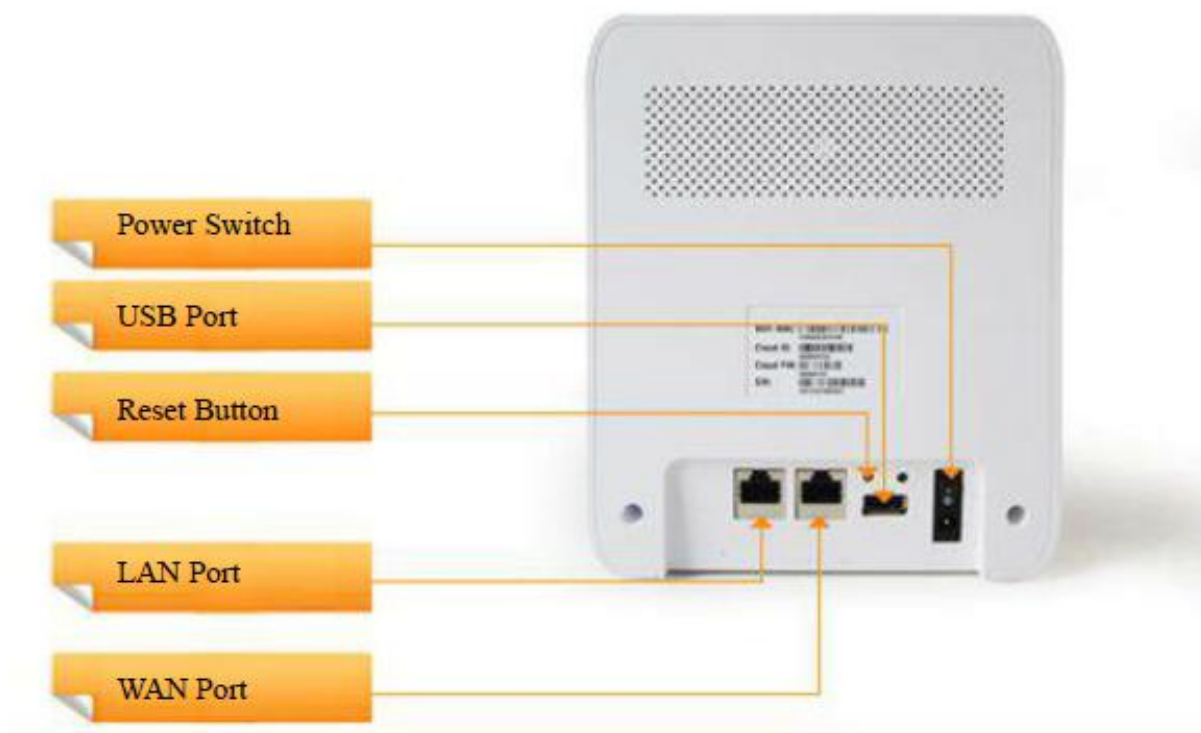
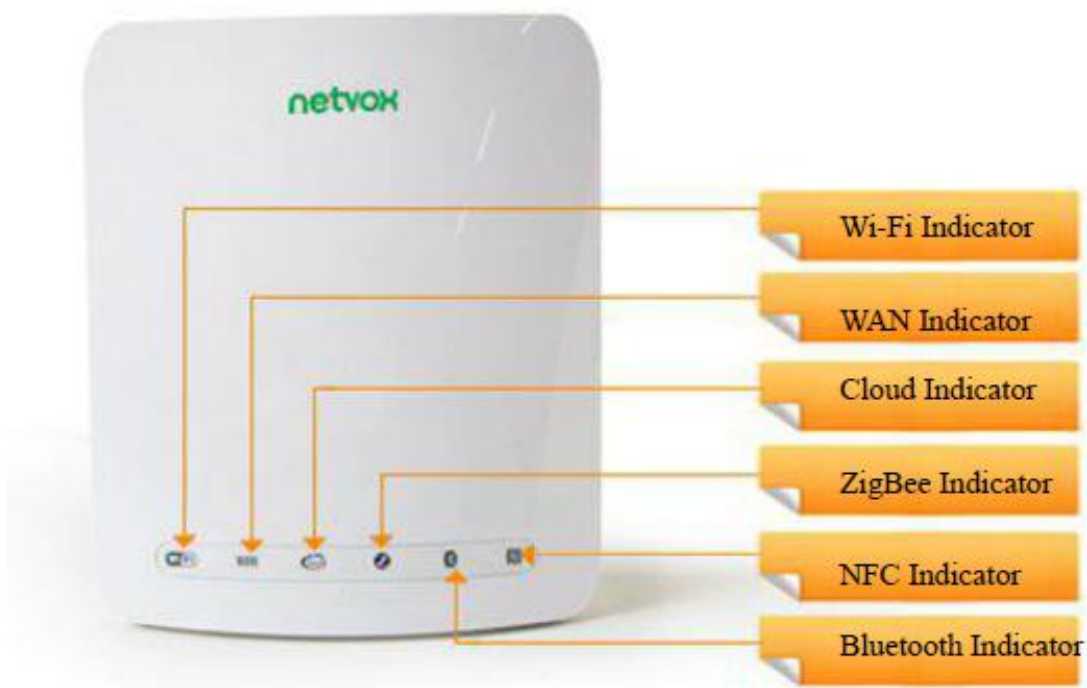


FIG 1. Product appearance

Integrated Wireless Smart Home Controller

Overview

Z203 (Integrated Wireless Smart Home Controller) is a wireless integrated control box for smart home and high reliability. As the core of the entire smart home system, Z203 is the first to achieve the perfect combination of cloud technology, WiFi mobile networking technology and ZigBee smart home Internet of things.

Z203 as a coordinator can achieve automatic network joining and configuration. The third-party software can control the device through it, for example, the Z203 can work with the Android client to achieve mode control. At the same time, the user can access the Z203 to monitor all changes in the home to achieve energy saving, environmental protection features.

Application field

For home, office, etc. of wireless integrated control box

Hardware version

V0.2

Main characteristics

- Using the 2.4GHz ISM band, 16 channels in total
- WIFI total of 11 channels
- Compliant with ZigBee Pro™ protocol for ZigBee intelligent network
- As a coordinator to avoid neighbor interference
- Has two RJ-45 data interfaces
- Support Bluetooth USB dongle
- Communication distance 200 meters (depending on the specific environment)
- Controlled by third-party software
- Easy to operate

Technical parameter

Electrical characteristics

Working power	Input: 100 ~ 240V AC Output: 12V / 1.5A DC
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Integrated Wireless Smart Home Controller

Power consumption	2W (26 m A @230V 50H z)
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RF parameters

	Zigbee	WiFi
Frequency bandwidth	2.4 to 2.4835 GHz	2.4 to 2.4835 GHz
Communication channel	16 (ISM channels 11 to 26)	11 C h1 — 2412MHz C h2 — 2417MHz C h3 — 2422MHz ~ Ch11—2462MHz
Bandwidth	2 MHz	20/40MHz
Antenna type	Built-in PCB antenna	Built-in PCB antenna
Power output	8 dBm (maximum)	11dBm (maximum)
Communication distance	200 meters (actually depending on the specific environmental conditions)	250 meters (actually depending on the specific environmental conditions)
Receiving sensitivity	- 100 dBm	-68dBm
Data transfer rate	250Kbps	>80Mbps
Modulation system mode	DSSS (O-QPSK)	DSSS

Physical characteristics

Dimensions	184 (H) × 153 (W) × 54 .3 (T) mm
Material	PC510
Operating temperature	0 °C to 4 0 °C
Storage temperature	-20 °C to 60 °C
Working humidity	0 to 95%
Storage humidity	0 to 95%