

# IoT USB Dongle

UZW100



## Z-Wave USB Dongle

UZW100 is an ideal solution for energy-friendly smart home control applications such as motion sensors, door/window sensors, access control, appliance control, building automation, energy management, lighting, and security networks in the “Internet of Things”. Combined with Geniatech's Gateway, TV set-top box and Router, it is more suitable for practical application.

### ● Compatibility and ecology

The Z-Wave alliance already has more than 160 internationally renowned companies in the field of smart homes.

### ● Rich Applications

Z-Wave focuses on home automation and smart home

Smart home features Router solutions

### ● Supported system

- Debian&openWRT(Linux)
- Android 7
- Windows (PC)

### ● Customizable

Customizable hardware interface functions; board functions; Structure of the custom.

### ● Simplify deployment

USB interface, easy to expand, plug and play, is conducive to development.

### ● Hotspot

RF-based, low cost, low power consumption, high reliability, suitable for short distance, narrow bandwidth applications

### ● Scalability

- USB Dongle
- Module(Support Geniatech products built - in)

### ● Enterprise service

Provide comprehensive quality assurance, after-sales service and technical support

# Product Specification

MCU	32-bit ARM®Cortex®-M4 core at 39 MHz
RAM	64KB (8KB Application)
FLASH Memory	512KB (64KB Application)
GPIO	x 32(Preserve)
USB interface type	Type-A USB
Key	1 (programmable)
Indicater	1 (programmable)
	100kbps
Max TX Power	13dBm
USB	USB2.0 x 1
Frequency	US 908.42MHz( 915MHz ) EU 868.42MHz( 868MHz )
<b>Power consumption</b>	
At 100 kbps, GFSK, 868 MHz	9.8 mA
At 13 dBm output power at 868 MHz	40.7 mA
At 0 dBm output power at 908 MHz	13.3 mA
In Active Mode (EM0)	69 $\mu$ A/MHz
EM4 Mode (128 Byte RAM retention and 1.8 $\mu$ A RTCC running from LFRCO)	
<b>Mechanical dimensions</b>	
Size (cm)	42*16mm
Net Weight (g)	10
Power	DC +5V
Wide working range	-40 °C ~ 85 °C
RoHS and Reach compliant	Yes

