

IoT USB Dongle

UZH100



ZigBee USB Dongle

The UZH100 developed and produced by Geniatech is an ideal solution for energy-saving smart home control applications. It is especially suitable for modular products, including advanced wearable applications for payment and medical purposes, as well as industrial sensors and other Internet of Things (IoT) device performance combinations. It can be matched with Geniatech's other products, such as gateways, TV set-top boxes and routers, which are closer to real life and suitable for practical applications.

● Compatibility and ecology

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

● Rich Applications

- Smart home
- Wearable application
- Industrial sensor
- Beacon

● Supported system

- Debian&openWRT(Linux)
- Android

● Customizable

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

Design for You, Manufactured by Us

● Encryption

128-bit AES CCM
ARM CryptoCell

● Multi-protocol

Bluetooth 5
Bluetooth Low Energy
Bluetooth mesh
ANT, 802.15.4, Thread, Zigbee

● Scalability

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

● Enterprise service

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

Geniatech

Product Specification



MCU	64 MHz 32-bit Arm Cortex-M4 with FPU
RAM	256 KB
ROM	1 MB Flash
GPIO	x 32(Preserve)
USB interface type	Type-A USB
Key	1 (programmable)
Indicator	1 (programmable)
Sensitivity	-95 dBm
PA	Support
Peripherals	UART
	SPI
	TWI
	PDM
	I2S
	QSPI
	PWM
	12-bit ADC
	NFC-A
	USB 2.0
Radio current consumption	
TX Power at +8 dBm	14.8 μ A
TX Power at +4 dBm	9.6 μ A
TX Power at 0 dBm	4.8 μ A
RX at 1 Mbps	4.6 μ A
RX at 2 Mbps	5.2 μ A
System current consumption	
In system OFF,no RAM retention	0.4 μ A
In system OFF,full RAM retention	1.86 μ A
In system ON,no RAM retention	0.97 μ A
In system ON,full RAM retention	2.35 μ A
In system ON,full RAM retention	3.16 μ A
Mechanical dimensions	
Size (cm)	42*16mm
Net Weight (g)	10
Power	DC: 1.7V~+5.5V
Wide working range	-40 $^{\circ}$ C ~ 85 $^{\circ}$ C
RoHS and Reach compliant	Yes