

IoT ZigBee3.0 USB Dongle

UZH100



Geniatech UZH100 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. Uses ARM Cortex-M processor and includes ARM Cryptocell-310 technology to achieve secure applications. Its memory protection unit (MPU) supports up to 8 memory segments. It supports a variety of protocols.

- RF-based, low cost, low power consumption, high reliability, suitable for short distance, narrow bandwidth applications
- Rich application scenarios
Intelligent home, warehouse logistics system, intelligent power supply, wireless sensor system
- 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.
- High security
 - 128 bit AES ECB/CCM/AAR co-processor
- High networking capability
 - ZigBee3.0, strong compatibility, support star and mesh network
- Enterprise service
Provide comprehensive quality assurance, after-sales service and technical support

Product Specification



| | |
|-----------------------|---|
| MCU | 32bit ARM@Cortex-M4Core at 64MHz |
| RAM/Program Memory | 256KB RAM and 1MB Flash |
| System | MCU |
| Port | USB2.0 Type-A Interface |
| Sensitivity | -95dBm |
| Key | 1(programmable) |
| Led | 1(programmable) |
| Speed Data rate | 250kbps |
| Output power | 8dBm |
| USB | USB2.0 (12Mbs) |
| Frequency band | 2.4GHz |
| Transmission Distance | 100m |
| Power Consumption | Max curren t14.8mA Sleep current 0.4μA |
| Hardware security | 128-bit AES ECB/CCM/AAR co-processor |
| Size(mm) | 42*16 |
| Net Weight(g) | 10 |
| Power | DC +5V |
| Wide working range | -40 °C ~ 85 °C |
| Storage temperature | -40 °C ~ 105 °C |