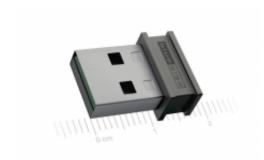
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Bluegiga BLED112-V1 USB-BLE dongle

Brand: Smartjac Industries Inc **Product Code:** SMAGA1676949A



Short Description

USB dongle supporting Bluetooth Smart (eg Low Energy). Bluetooth Smart Ready for Linux, Android & Windows devices.

Description

The BLED112 Bluetooth Smart Dongle integrates all Bluetooth Smart features. The USB dongle has a virtual COM port that enables seamless host application development using a simple application programming interface. The BLED112 can be used for Bluetooth Smart development. With two BLED112 dongles you can quickly prototype new Bluetooth Smart application profiles by utilizing Bluegiga's Profile ToolkitTM and also automate in module software functions with Bluegiga's BGScriptTM .

- 1:Integrates all Bluetooth Smart features
- 2:For Windows and Android
- 3:No need of any additional hardware to connect your machine to a Bluetooth Smart peripheral

4:Compliance: Bluetooth, CE, FCC

Net Weight: 0.1 KILOGRAM

Key Benefits Key Benefits

Fully integrated Bluetooth Smart solution

Integrated Bluetooth Radio, micro controller and software stack Fast time-to-market Low development risks

Application hosting capabilities

All application code can be executed on the BLED112 No need for external micro controller Lower cost and smaller size

Bluetooth, CE, FCC, IC, South Korea, and Japan qualified

Proven interoperability Minimal qualification costs

Flash based

Firmware is field upgradeable Application data can be stored on the flash Settings can be stored on the flash

Good radio performance

Long range and robust connections Software programmable TX power

Specifications Radio features:

Bluetooth 4.0 low energy radio Transmit power: +0 dBm Receiver sensitivity: -93 dBm

Bluetooth features:

Bluetooth Smart (low energy) support L2CAP, ATT, GATT, GAP and Security Manager Bluetooth Smart profiles Client and master mode Up to eight connections in master mode 100kbps+ throughput

Hardware features:

USB host interface

Temperature range: -40° C to $+85^{\circ}$ C

MCU features:

8051 microcontroller 8kB RAM 128kB Flash

Software features:

Embedded Bluegiga Bluetooth Smart Stack
BGAPITM host protocol
Bluegiga BGScriptTM programming for standalone applications
Bluegiga Profile ToolkitTM for developing Bluetooth Smart profiles

Qualifications:

Bluetooth

CE

FCC

IC

Japan

South Korea