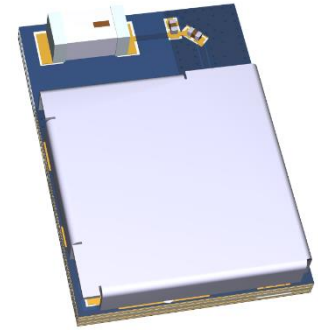


AGX-832 Bluetooth Low Energy Module



The AGX-832 is a fully integrated, ultra-low power BLE module in a small form factor. Its advanced peripherals and capabilities, as well as the large number of GPIOs and excellent RF performance enables a wide range of Bluetooth connected products where small size, low power, performance and range are needed.

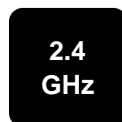


Overview and Features

- Based on Nordic Semiconductor's nRF52832 BLE SoC
- Multi-Protocol 2.4GHz Radio
- Fully tuned RF and on-board antenna for superior performance and range
- FCC, IC, CE, BT-SIG Certified (Pending) for fastest time to market
- Ultra-low power consumption
- ARM® Cortex™-M4F with Floating Point
- 512kB Flash / 64kB RAM enables sophisticated IoT connected products
- -20 dBm to +4 dBm Output Power
- Dimensions: 9.7 x 14.3 x 2mm
- Temperature Range: -40° to +85°C
- Wide Voltage: 1.7V to 3.6V
- Up to 32 GPIOs with flexible module pin mapping
- SPI / UART/ and Two-Wire (I2C)
- 200 ksps 12-bit ADC
- Low Power Comparator
- Two-Wire Master/Slave (I2C)
- I2S and PDM peripherals for Audio
- Quadrature Demodulator
- NFC-A Tag for seamless Out-Of-Band (OOB) BLE pairing and wakeup on field
- Programmable Peripherals for CPU-less operation

Applications

- IoT Connected Devices, Appliances
- Bluetooth Low Energy Sensors
- Home Automation and Control
- Lighting
- Wearables and Fitness
- Toys and Gaming
- Beacons



www.argenox.com/AGX-832



sales@argenox.com

www.argenox.com/AGX-832

Available Q1 2016

BlueNox

Lowest Power and Highest Performance BLE Module on the Market

Firmware



AGX-832 comes ready to go with firmware that helps you test and launch

DTM, Beacons, System Test and UART

Factory Tested



Our module comes factory tested to ensure proper performance, simplifying your production line so you can focus on your product

BLE Expertise



Take advantage of our extensive experience developing BLE accessories and products

We've helped customers develop sensors, accessories and connected products

Custom Solutions and Development

At the heart of Argenox is expertise to develop wireless connected products

- Bluetooth Low Energy for sensors, beacons, data transfer or accessories
- Bluetooth Classic for Audio applications
- Wi-Fi Connectivity
- Custom Hardware Plastics
- Deep firmware expertise for Bluetooth and Embedded Systems
- Apps for iOS and Android



@argenox



+argenox



argenotech