

## aconno ACN52832

The ACN52832 is a fully integrated, ultra-low power, Bluetooth 4.2 Low Energy module in a small form factor, which features the advanced Nordic Semiconductor nRF52832 SoC.

Its capabilities are tailored for the upcoming demands of sophisticated IoT devices where small size, low power, application performance and radio-range are essential. Unlike many competitors it features a maker-friendly PCB scale package that allows a fast and easy integration without sacrificing access to its advanced peripherals and capabilities.

### Product Overview:

- Based on Nordic Semiconductor's nRF52832 Bluetooth 5 Low Energy SoC
- aconno's ACN52832 features a large number of GPIOs to max out your options
- excellent RF performance thanks to an on-board PCB antenna
- CE compliant & certified
- To provide quick access to the programming interface of the SoC, the module also features a Tag-Connect connector.

Get started today using the ACNPROG USB programming dongle to download your project to the ACN52832 module. Go create – the future can't wait.

### Key Features:

- Ultra low power consumption
- 32-bit ARM® Cortex™ M4F high performance 64 MHz core with 512kB Flash / 64 kB RAM
- Two On-board precision crystal clocksources
- Programmable peripherals for CPU-less operation
- SPI / UART / TWI (I2C)
- 200 ksp/s 12-bit ADC
- Low Power Comparator
- I2S and PDM peripherals for Audio
- Quadrature demodulator
- RGB LED
- -20 dBm to +4 dBm output power
- Maker friendly dimensions
- Temperature Range: -40°C to +85°C

