



## BLE Carbon

SKU 102990628

The BLE Carbon is joint efforts by 96Boards and Seeed, aims to provide economic and compact BLE solutions for IoT projects.

96Boards is produced by Linaro, a nonprofit organization cofunded by famous companies including ARM, IBM, Samsung, ST-Ericsson and TI. It is the first open specification to define a platform for the delivery of compatible low-cost, small footprint 32-bit and 64-bit Cortex-A boards from the range of ARM SoC vendors. By standardizing expansion buses for peripheral I/O, display and cameras, it allows the hardware ecosystem to develop a range of compatible add-on products that will work on any 96Boards product over the lifetime of the platform. BLE Carbon is the kind of boards that uses software platform from 96Boards while the hardware from Seeed, it also uses the Nordic bluetooth solution. With the widely used open specification and strong manufacturing background from 96Boards and Seeed, BLE Cardon must be one of the best BLE solutions for IoT project.

The Carbon comes pre-installed with Zephyr. When future OS become available, you may refer to the download page for more OS and applications.

## FEATURES

- STM32F401 microcontroller with 512kB Flash, 96kB ram
- USB power supply with fuse protect
- 6LEDs  
    USR1, USR2, BT, PWR, RX, TX
- Two push buttons  
    USR and RESET
- SWD debug connectors
- On board chip antenna
- 3.3V work voltage
- 2x15pin 2.54mm pitch Low speed connector
- Fully compatible with 96Boards IoT standards

## DOCUMENTS

- For Documentation from 96Boards, please visit the documentation page for Cardbon

## Techsupport

- **This product is designed by 96 boards,** For any technical support or suggestion, please kindly go to their forum .

### Technical Details

Dimensions	60mm x 80mm x 8mm
Weight	G.W 8g
Battery	Exclude

### ECCN/HTS

ECCN	3A991.a
HSCODE	8517709000

