



BleuIO pro

for Advanced BLE Applications







BleuIO

 **Bluetooth v5.2**

The BleuIO pro is Bluetooth® low energy solution that can be used to create BLE 5.2 applications in the fastest and easiest way. Just use the AT Commands available on the the device.

The BleuIO Pro is a comprehensive solution, integrating an MCU and Bluetooth® radio into a single chip, powered by the Renesas SmartBond DA14695 SoC. This device supports Bluetooth® Low Energy 5.2 and features 32Mbit QSPI FLASH for extensive storage. It offers transfer speeds up to 2Mbps and supports extended advertising packets, making it ideal for advanced BLE applications. Additionally, it includes a programmable LED for customizable indications. It supports a bootloader for firmware updates or flashing your own application, and OTA (Over the Air) software updates. This device supports Windows 11, Linux, and macOS. CE declaration and FCC certification ready.

Product Features

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|  <h3>Software and Tools</h3> <p>Comes with an integrated Ready to Use software that enable the user to easily create new BLE applications with simple AT-Commands scripts.</p> |  <h3>Programmable LED</h3> <p>features a programmable LED for visual feedback and status indicators</p> |
|  <h3>Security Applications</h3> <p>Enhanced security with ECC, AES-256, SHA-1, SHA-256, SHA-512, and True Random Number Generator.</p> |  <h3>Certifications</h3> <p>CE Marking, Complies with Radio Equipment Directive 2014/53/EU and US FCC certifications.</p> |
|  <h3>Platform Independent</h3> <p>The device is compatible with all the platforms: Windows 11, macOS, Linux.</p> |  <h3>BootLoader</h3> <p>Supports bootloader for firmware updates or custom applications, and OTA (Over the Air) software updates.</p> |



For Advanced BLE Applications

Part No :

SSD025/4W - BleuIO Pro white

SSD025/4B - BleuIO Pro black



CE FC  RoHS

 **Bluetooth v5.2**

Programmable Bluetooth Central or Peripheral USB Dongle

This device supports Windows 11, Linux and macOS.

☎ +46703709706

✉ sales@bleuio.com

🌐 www.bleuio.com

Version 1.0