



BleuIO Pro

for Advanced BLE Applications



 **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



Software and Tools

Comes with an integrated Ready to Use software that enable the user to easily create new BLE applications with simple AT-Commands scripts.



Programmable LED

features a programmable LED for visual feedback and status indicators



Security Applications

Enhanced security with ECC, AES-256, SHA-1, SHA-256, SHA-512, and True Random Number Generator.



Certifications

CE Marking, Complies with Radio Equipment Directive 2014/53/EU and US FCC certifications.



Platform Idependant

The device is compatible with all the platforms: Windows 11, macOS, Linux.



BootLoader

Supports bootloader for firmware updates or custom applications, and OTA (Over the Air) software updates.



For Advanced BLE Applications

Part No :
SSD025/2W - BleuIO Pro white
SSD025/2B - BleuIO Pro blue



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Programmable Bluetooth Central or Peripheral USB Dongle

This device supports Windows 11, Linux and macOS.

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