




BLUETOOTH® LOW ENERGY ADAPTER



The BleuIO is a fully integrated solution, providing MCU and Bluetooth® radio in one chip, based on Dialog Semiconductor latest Bluetooth chip DA14683. The FLASH based device permits field or boot upgradable, while application is stored on FLASH memory. Custom settings can also be stored on FLASH memory or OTP for higher integrity. This device supports Windows 10, Linux and macOS. CE declaration and FCC certification ready.

The BleuIO is Bluetooth® low energy solution that can be used to create new BLE 5.0 applications in the fastest and easiest way. Just use the AT Commands available on the the device.

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>Bootloader</h3> <p>You can update the firmware or flash your own applications with the integrated bootloader of the dongle.</p> |
|  | <h3>Security Applications</h3> <p>Including Cryptographic engine with an Elliptic Curve Controller (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 10, macOS, Linux.</p> |  | <h3>Latest Technology</h3> <p>supports Bluetooth® v5.0 Low Energy and based on Dialog Semiconductor latest Bluetooth® chip DA14683</p> |

Product Specifications

Roles	Programmable Bluetooth Central or Peripheral. USB Device.
Security	Cryptographic engine with ECC, AES-256, SHA-1, SHA-256, SHA-512 and True Random Number Generator.
Connectivity	Bluetooth 5.0 & USB Full Speed
Power	USB +5V
Chip	DA14683
Memory	FLASH 8Mbit & OTP 64kB
Mechanical	19.2 mm (L) 16.3 mm (W), 6.2 mm (D)
Environmental	Temperature: -20 to +65 C
Case material	PBT + 20% glass fiber
Certification	FCC & CE
Colors	White / Black
SSD005/4 v2 Black Bleuio BLE 5.0	UPC - 748367757501 , EAN - 0748367757501
SSD005/4 v2 white Bleuio BLE 5.0	UPC - 748367757518 , EAN - 0748367757518

Quick, Innovative, Simple