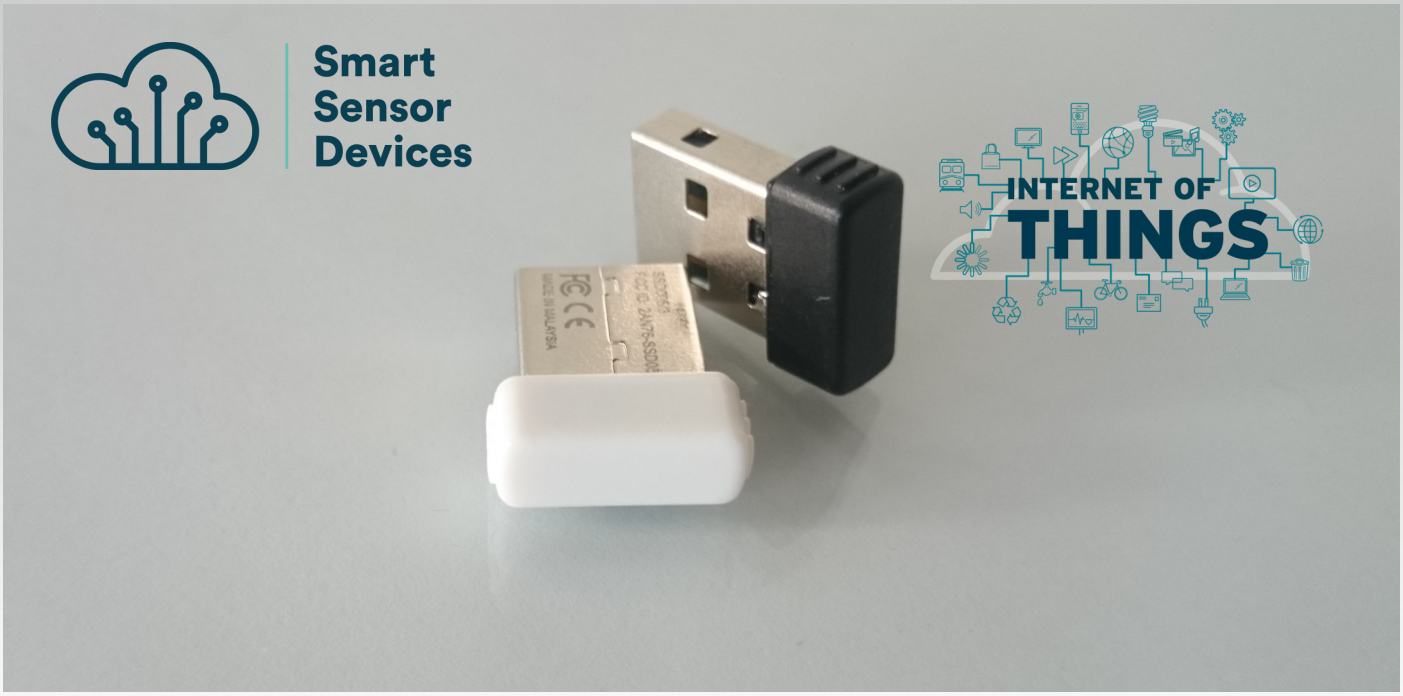
Smart Sensor Devices



Smart USB Dongle 2.0
Bluetooth® Low Energy

The Smart USB Dongle 2.0 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 Smart USB Dongle 2.0.

The Smart USB Dongle 2.0 supports Bluetooth® v5.0 Low Energy and is a fully integrated solution, providing MCU and Bluetooth® radio in one chip, based on Dialog Semiconductor latest Bluetooth® chip DA14683 and 8Mb Flash memory.

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.

Security Applications

The device is suitable for secured Identification and payment applications.
Including Cryptographic engine with an Elliptic Curve Controller (ECC), AES-256, SHA-1, SHA-256, SHA-512 and True Random Number Generator.

User Services and Profiles

The Smart USB Dongle 2.0 can be customized with proprietary profiles or services by using simple Scripts.

New applications are easily upgraded with the integrated USB Bootloader.

Software and Tools

The Smart USB Dongle 2.0 comes with an integrated Ready to Use software that enable the user to easily create new BLE applications with simple AT-Commands scripts.

Available examples from our support pages.

Certifications

CE Marking, Complies with Radio Equipment Directive 2014/53/EU and US FCC certifications. Complies with Restriction of Hazardous Substances (RoHS) Directive (Directive 2011/65/EU) (“ROHS2”) and REACH.

For more info contact us at www.smartsensordevices.com

SSD005 Product Specifications

	SSD005 v2.0
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

Notes:
The device can be programmed with user specific application before delivery.
The device can be provided with propietary logotype.