Modules

Bluetooth®
SMART Module

Bluetooth® SMART compatible connectivity module

Continua CERTIFIED software profiles

Ultra-low power communication with a Coin-cell battery

Applications

➔ *Blood Glucose monitor, Weight scale, heart rate monitor and other healthcare/fitness devices*

➔ *Wrist watch, small sensor, cycle computer and other low-power devices*
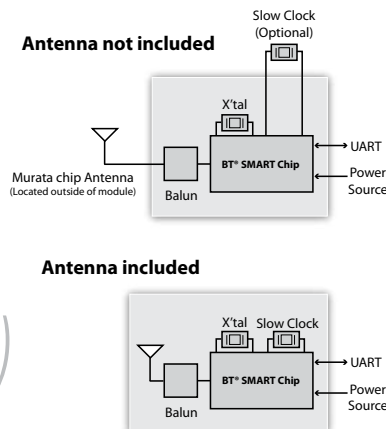
➔ *Smartphone peripheral devices*

Blood Glucose monitor

Weights scale, Body composition monitor

Thermometer

Activity monitor

Specifications

Smallest size

➔ *5.4 x 4.4 x 1.0mm
(Antenna not included)*

Specifications

➔ *Interface: UART*

➔ *Chipset:* (*CC2541 (Texas Instruments)*
or
DA14580 (Dialog))

Antenna not included

Slow Clock (Optional)

X'tal

Murata chip Antenna (Located outside of module)

Balun

BT® SMART Chip

UART
Power Source

Antenna included

X'tal   Slow Clock

Balun

BT® SMART Chip

UART
Power Source

Software structure

Host Device

Application
Serial Interface

**Murata
Bluetooth SMART Module**

Host Interface Application		
GAP role / Security profile		GATT profile
GAP	SMP	GATT
		ATT
L2CAP & HCI		
RF & Link Layer		

Characteristics

➔ *Embedded all the necessary software stacks for Bluetooth® 4.0 communication, including Healthcare profile stacks*

➔ *SIG/FCC/IC/TELEC-certified & CE complient, so devt. costs can be reduced*

➔ *Using UART I/F, sending simple commands with the module ensures easy communication with any Bluetooth ® SMART Ready-enabled device*

Bluetooth® 4.0

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www.murata.eu
info@murata.eu

CompFl_BT_13_V1

muRata

Innovator in Electronics