

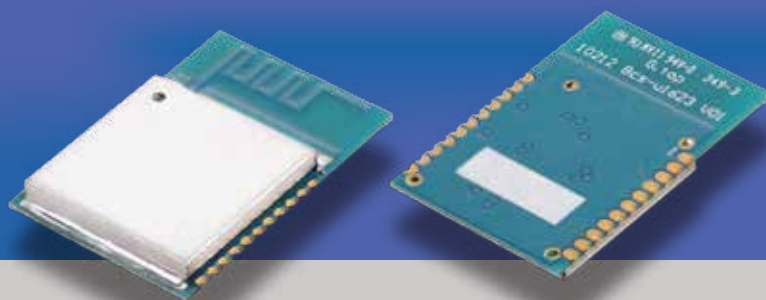
# Bluetooth Low Energy Compliant

## Far Less Consumption for the wearables

### Profile-Ready BLE module



**Bcs-u1623**  
Bluetooth



Bcs-u1623 is a cost-effective Bluetooth™ Low Energy Profile Module, which utilizes CSR1010 –the CSR new generation Bluetooth™ low energy chipset. It is designed with an on-board PCB antenna solution specifically for rapid development of cost-effective Bluetooth™ Low Energy applications. Bcs-u1623 is a further reduced and superb ultra-low power consumption performance in a 16 x 23 x 2.3mm small form factor, making itself the best choice for small battery powered gadgets in the realm of Bluetooth™. Bcs-u1623 is released with embedded software profile for specific market.

Come and try out yourself with our comprehensive Evaluation Kit now !

#### Bluetooth™ Low Energy (Bluetooth™ Smart)

Single Mode

**Bcs-u1623**

#### Core

Chipset:	CSR1010
Bluetooth Version:	4.0 (single mode)

#### RF Characteristics

Frequency:	2402 to 2480MHz
Antenna Type:	PCB Trace Antenna
RF Output Power:	7.5dBm
Receiver Sensitivity:	-92.5dBm (Typical)
RF Data Rate:	1Mbps, 250kHz deviation
Modulation:	GFSK
Network Encryption	AES-128

#### Electrical

Supply Voltage:	1.8V to 3.6V (Typical: 3V)
Current Consumption:	Tx/Rx Mode: 20mA@peak current (Typical) Deep Sleep: 5uA (Typical)
Host Interface:	1 x UART, 1 x SPI, 1 x I2C

#### Mechanical

Working Temperature:	-20°C to +75°C
Storage Temperature:	-30°C to +85°C
Dimension:	16 x 23 x 2.3 mm (SMD)
Weight:	1.3g

A full range of BLE Profile customization services are supported

#### Currently Available

Proximity Profile

Child Proximity Alert

Find Me Profile

Find your misplaced objects

#### Coming Soon

SPP Profile

Wireless Serial Connection

Lighting Profile

Lighting Control



Evaluation Kit is now available!

Contact our Sales representative for more information at [sales@gtop-tech.com](mailto:sales@gtop-tech.com)

