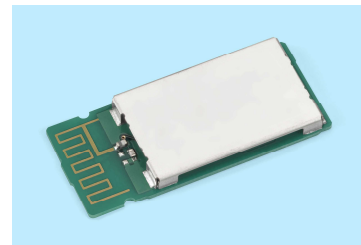# Dual Mode Bluetooth® Module BT801 Series

Dual Mode Communication Module Equipped with Bluetooth Classic and Bluetooth Low Energy

■Features

1. Prepare 2 type modules : The BT801 is a complete module that implements both SPP*1 and SSS*2, a serial communication service developed by SMK.
   The BT801-AP2 supports Apple's iAP*3 protocol in addition to the specifications of the BT801.
2. Surface mounting module with a built-in printed antenna.
3. Acts as Master/Slave or Central/Peripheral.

   *1 SPP: A Bluetooth profile, which defines the procedures for sending and receiving data by using Bluetooth communication like a virtual serial port.
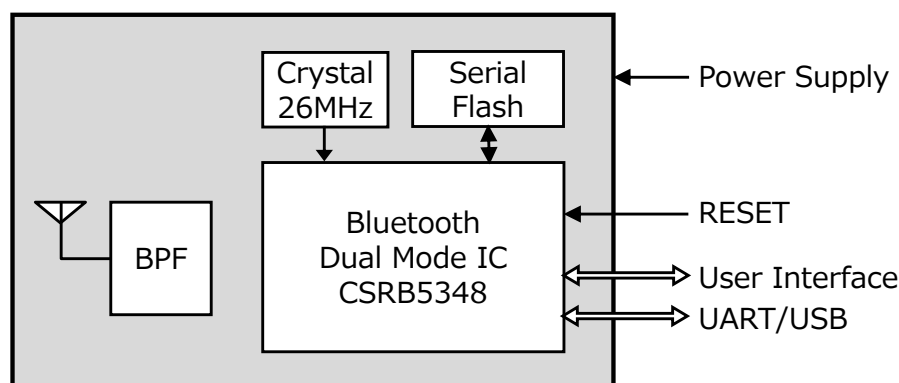   *2 SSS: Abbreviation of SMK Serial port Service. An original service of SMK for serial communication over Generic attribute profile (GATT).
   *3 iAP: Abbreviation of iPod Accessory Protocol of Apple Inc. It will be necessary to join Apple Inc.'s MFi license program to use the BT801-AP2 module.

■ Major Specifications

Bluetooth Core Spec.	Version 5.0
Dimension	25.0mm(W)×11.0mm(D)×2.3mm(H)
Upper Interface	UART
RF Output Power	+8dBm(Typ.)
Supply Voltage	DC2.7～3.6V
Antenna	Printed Antenna
Operating Temperature Range	-40℃～+85℃
Certification	Bluetooth SIG, Radio Law : Japan, FCC, ISED

■ Block Diagram

■ Applications

Mobile printers, barcode readers, measuring instruments, healthcare equipment, and smartphone accessories, etc.

CREATIVE CONNECTIVITY