

Bluetooth® Module

Dual Mode Bluetooth® Module : BT801 Series

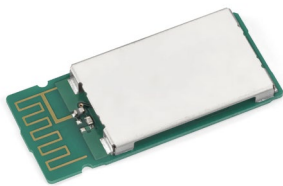
■ Features

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 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 or Slave, Central or Peripheral.
4. The module has acquired Bluetooth SIG certification and radio law certifications in Japan, U.S., Canada, and Europe.

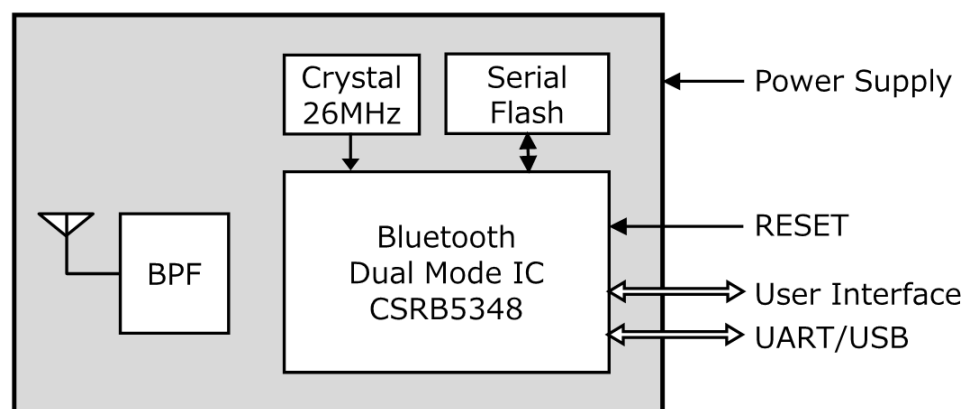
- *1) SPP : A Bluetooth profile, which defines the procedures for sending and receiving data by using Bluetooth communication like a virtual serial port.
- *2) SSS : Abbreviation of SMK Serial port Service. An original service of SMK for serial communication over Generic attribute profile (GATT).
- *3)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

■ Specifications

- Bluetooth Core Spec. : Version 5.0
- Dimension : 25.0mm (W) x 11.0mm (D) x 2.3mm (H)
- Upper Interface : UART
- RF Output Power : +8dBm (Typ.)
- Supply Voltage : DC 2.7 to 3.6V
- Antenna : Printed Antenna
- Operating Temperature Range : -20°C to +85°C
- Certification : Bluetooth SIG,
Radio Law : Japan, FCC, ISED



BT801 Series Block Diagram



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