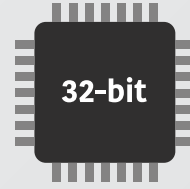


### 32-bit core

Core with 2.4GHz 32-bit™ Cortex M0 core, provide a powerful processing power and a familiar environment to users.

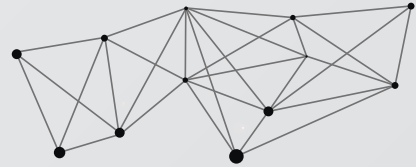


### Low power

Low power consumption of core chip, which consume 0.3µA at OFF mode and 1µA at Sleep mode.

### Mesh connection

Support standard mesh standard in SDK, allowing connection between each device and extend distance.

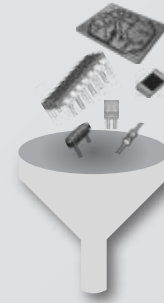


### More memory size

128KB flash, 64K SRAM and 8K cache RAM provides high flexibility and efficiency for more applications.

### Time to market

Comes with serial tunneling firmware, shorten product development engineering cycle and resource.



actual size

### Tiny form factor

Dimension of PRBMD02 is just 10 x 14 mm, suitable for application with limited space

**Dimension (mm):** 10 x 14 x 3

**Antenna:** chip antenna

**Interfaces:** PWM, PDM, I2C, SPI, UART, JTAG

**Bluetooth:** 5.1 compliant protocol stack

**Core:** 32bit Cortex-M0 with 2.4GHz wireless

**Memory:** 64KB SRAM; 128KB Flash; 8KB cache

**GPIO:** 19 (max), multiplexed

**Firmware:** serial tunneling, SDK available

**Operating voltage:** 1.8 - 3.6V

**Current consumption:** 460uA @ operate; 0.3uA @ idle

**Oscillators:** on board 16MHz, internal 32kHz RC, optional external 32768Hz oscillator

**Tx Power :** -20 to 10dBm

**Sensitivity:** -97dBm

**Certification:** FCC, CE, TELEC, KCC \*