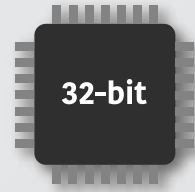


32-bit core

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

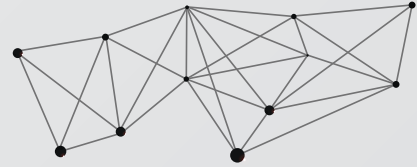


Low power

Low power consumption of core chip, which consume 0.7μA at OFF mode and 2μA at Sleep mode.

Mesh connection

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



More memory size

512KB flash and 138K SRAM provides high flexibility for more applications.

Time to market

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



Audio support

PRBMD00 supports audio streaming through I2S interface

Dimension (mm): 12 x 18 x 3

Antenna: chip antenna

Interfaces: PWM, I2S, PDM, I2C, SPI, UART, JTAG

Bluetooth: 5.1 compliant protocol stack
Core: 32bit Cortex-M0 with 2.4GHz wireless

Memory: 138KB SRAM; 512kB Flash

GPIO: 33 (max), multiplexed

Firmware: serial tunneling, SDK available

Operating voltage: 2.5-6V

Current consumption: 670uA @operate; 0.8uA@ Idle

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

Tx Power : -20 to 10dBm

Sensitivity: -97dBm

Certification: FCC, CE, TELEC