

GWBMD00

Bluetooth Low Energy Module



GWBMD00 BLE module provides a time-to-market solution to customer, customer can easily enable their products with BLE feature.

With GWBMD00 's comprehensive RF design, engineer can focus on application development and free engineering resource and investment on RF design. Customer can easily obtain certification with GWBMD00 embedded as GWBMD00 was certified by FCC and CE.

GWBMD00 formfactor is well balance between small size and easy to handle. The size is suitable for most of applications and is also easy for assembly in production line.

With our KATP UART-to-BLE firmware, engineer can simply connect GWBMD00 to any UART device immediately without any firmware development. Engineer can also develop their own firmware for GWBMD00 base on the SDK resources provided by Nordic Semiconductor ASA. Firmware customization service is also available, helping customer to have their product time-to-market with minimum engineer resources.

- Operation voltage: 1.8 to 3.6VDC
- nRF51822 BLE processor
- 256K Flash, 16K RAM
- on board chip antenna
- on board DC/DC convertor
- on board 16MHz and 32.768kHz oscillator
- 12 configurable GPIOs
- SPI, UART, ADC and JTAG interface
- default UART to BLE firmware
- operation temperature: -10 to 60°C
- Frequency band:
2.4GHz ISM
- Tx Power:
-20 to +4dBm in 4db steps
- Rx Sensitivity:
-92.5dBm Bluetooth low energy
-96dBm at 250kb
-90dBm at 1Mbps
-85dBm at 2Mbps
- RF range (indoor): approx. 15m
- FCC, CE, IC, KCC, TELEC, RCM certifications

