

GWBMD30

Bluetooth 5.0 ready module



Gigawit®'s GWBMD30 is a Bluetooth 5.0 ready module, which is a appropriate solution for IoT application.

GWBMD30 is core with Nordic nRF52832 Bluetooth processor, which is armored with ARM Cortex M4 core with floating point processor. With such propessing power, GWBMD30 can even replace core CPU of end product.

With GWBMD30 comprehensive RF design, engineer can focus on application development and free engineering resource and investment on RF design.

GWBMD30 is certified with different countries standard, helping customer's end product to obtain such certification easier.

GWBMD30 form factor is same as previou BLE module, GWBMD0x, which provides an easy migration path to current customers.

Gigawit® also provides build-to-order service, customize module base on customer's requirement. For details, please contact Gigawit® channel partners.

- nRF52832 Bluetooth processor
- on board chip antenna
- on board DC/DC convertor
- on board 32MHz and 32.768kHz oscillator
- 256K Flash, 32KB RAM
- 12 configurable GPIOs
- SPI, UART, ADC and JTAG interface
- NFC ready
- Operation voltage: 1.7 to 3.6VDC
- Operation temperature: -10 to 60°C
- Low power:
 - 5.3mA peak in Tx (0dBm)
 - 5.4mA peak in Rx
- Frequency band:
 - 2.4GHz ISM
- Tx Power:
 - 20 to +4dBm in 4db steps
- Rx Sensitivity:
 - 96dBm Bluetooth low energy

