innocomm
Challenging Brilliant Future

Module

BM20: Bluetooth Low Energy Single Mode Module

Product Description:

InnoComm BM20 module is based on Nordic Semiconductor outstanding Bluetooth® Low-Energy (Bluetooth LE) System-on-Chip (SoC). It features a powerful CPU - ARM Cortex-M4 32-bit processor with FPU, 64 MHz and completes a lineup of Nordic Bluetooth 5 ready devices that together offer the full spectrum of possibilities when designing Bluetooth 5 into your products. As an optimized solution that makes it attractive in a very wide range of applications from a performance.

InnoComm Mobile
Model : BM20

Key Features:

• *Bluetooth 5*
• *32-bit ARM® Cortex™ - M4F CPU, 64MHz*
• *512kB internal Flash + 64kB internal RAM*

• *2.4GHz transceiver*
• *Support data rate: 1Mbps, 2Mbps*
• *SPI/I2C master/slave interface*

Specifications:

• *Bluetooth Low Energy*
    • TX power -20 to +4 dBm configurable in 4 dB steps
• *Memory*
    • 512kB Flash
    • 64kB RAM
• *I/O*
    • 2x I2C
    • 3x SPI
    • 1x UART
    • 18x GPIO

• *Physical Specification*
    • Dimension: 15.0 x 10.0 x 2.6 mm
• *Operating Temperature*
    • -40°C to +85°C
• *Power Supply*
    • Voltage Range: 1.7V ~ 3.6V
• *Mounting Method*
    • 32 pin LGA Package

Support & Service:

• *Evaluation board*
• *Hardware design review and consult*
• *Guides included in the Bluetooth Low Energy is under NDA*

Target Applications:

• *Smart building*
• *Smart Home*
• *CE remote control*
• *Health and medical*
• *Wearable*
• *…etc*

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Ordering information
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