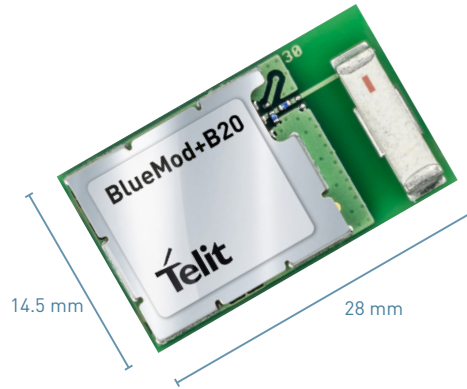# Telit

BlueMod+B20

Bluetooth 2.1+EDR Class 2 Module

14.5 mm   28 mm

Bluetooth®

Product description

The BlueMod+B20/BT2.1 is an embedded Class 2 module with an integrated antenna and a range of 60m (line of sight). BlueMod+B20/2.1 is a qualified Bluetooth 2.1+EDR product, meaning that you can use it without having to re-qualify your product. It is CE, FCC, IC and MIC certified.

Firmware Versions

Serial Port Profile (SPP). For wireless cable replacement applications. ~300 kbps sustained SPP net data rate. Human Interface Device Profile (HID). For use in mouse and keyboard devices. Host Controller Interface (HCI). Standard HCI over UART or USB for use with Bluetooth Host Stacks, like BlueCode+. OBject EXchange (Obex) for serial communication with mobile devices.

Key Benefits

- Industrial class serial Bluetooth module

- Profiles: SPP, HID, HCI, Obex

- Class 2 (up to 60 m)

- Enhanced Data Rate

- Solder-on installation

- Integrated antenna or antenna pin versions

- Interference-free co-location and co-existence with 802.11 (AWMA, AFH, and SFH)

- Developed and manufactured in Germany

Combine your BLE **module** with

Cellular modules

GNSS modules

www.telit.com

Complete, Ready to Use Access to the Internet of Things

IoT **MODULES**   IoT **CONNECTIVITY**   IoT **PLATFORMS**

ENABLING THE IOT IS WHAT WE DO.

Telit

BlueMod+B20

Profiles

- SPP
- GAP
- SDAP
- HID
- HCI
- Obex

Environmental

- Stamp contacts
- Ceramic Antenna, optional PIN
- Length x Width x Height:
  28x14.5x2.7 mm
- Temperature range: -40°C to +85°C

Interfaces

- UART: 1200 bps – 2760000 bps
- USB, I²C, PCM
- GPIOs: 11 PIO, 2 AIO

Approvals

- Bluetooth Qualification 2.1+EDR
- CE, FCC, IC, MIC

Electrical & Sensitivity

- Power supply: 2.8V to 3.6V
- RF-Power (max.): 4 dBm
- Power consumption transmission: 30 mA
- Power consumption idle: 2.5mA

Tools

- BlueEva+B20: evaluation kit

Join the Telit Technical Forum

For a quicker and more rewarding integration experience join the Telit Technical Forum. There you can browse the first open forum covering all IoT topics, get direct support by region (EMEA, North America, Latin America, APAC), take part in this quickly growing IoT community and exchange experiences.