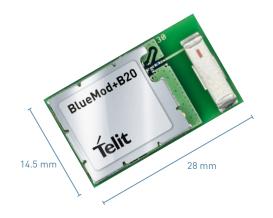


BlueMod+B20

Bluetooth 2.1+EDR Class 2 Module





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







ENABLING THE IOT IS WHAT WE DO.

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

Telit reserves all rights to this document and the information contained herein. Products, names, logos and designs described herein may in whole or in part be subject to intellectual property rights.

The information contained herein is provided "as is". No warranty of any kind, either express or implied, is made in relation to the accuracy, reliability, fitness for a particular purpose or content of this document. This document may be revised by Telit at any time. For most recent documents, please visit www.telit.com Copyright © 2016, Telit
* Copyright © 1990-2016, Python Software Foundation



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.

Telit Communications S.p.A. Via Stazione di Prosecco, 5/B I-34010 Sgonico (Trieste), Italy Phone +39 040 4192 200 Fax +39 040 4192 383

E-Mail EMEA@telit.com

Telit Wireless Solutions Inc. 3131 RDU Center Drive, Suite 135 Morrisville, NC 27560, USA

Phone +1 888 846 9773 or +1 919 439 7977 +1 888 846 9774 or +1 919 840 0337

Telit Wireless Solutions Inc. Rua Paes Leme, 524, Conj, 126 05424-101, Pinheiros São Paulo-SP-Brazil

Phone +55 11 3031 5051 +55 11 3031 5051

Telit Wireless Solutions Co., Ltd. 8th Fl., Shinyoung Securities Bld. 6, Gukjegeumyung-ro8-gil, Yeongdeungpo-gu Seoul, 150-884, Korea

Phone +82 2 368 4600 +82 2 368 4606 E-Mail APAC@telit.com







E-Mail NORTHAMERICA@telit.com E-Mail LATINAMERICA@telit.com