

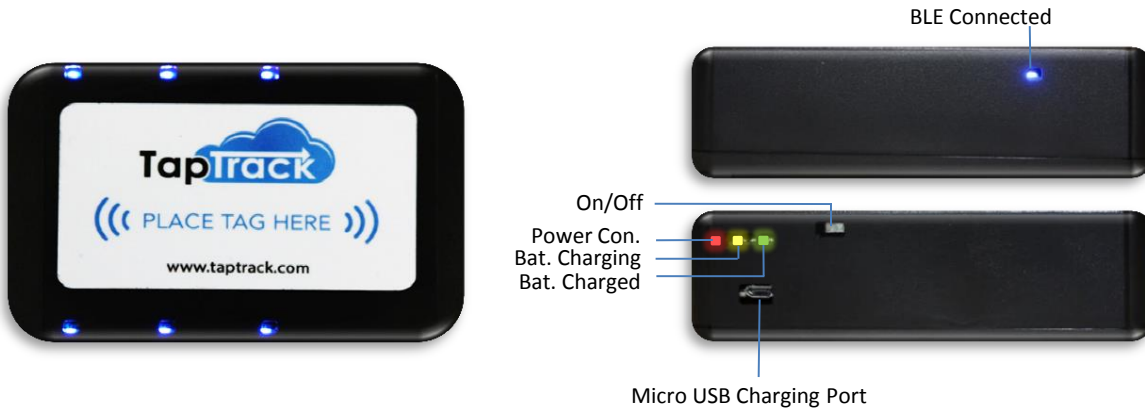


TappyBLE Datasheet

All-in-one NFC Reader, Writer and Emulator with Bluetooth and Chargeable Battery

Features

- * Compact NFC reader, writer and emulator with chargeable battery
- * Connected over Bluetooth Low Energy (BLE) (also called Bluetooth Smart or Bluetooth 4.0+)
- * Full NFC stack on board, includes NDEF reading/writing and tag emulation
- * On board crypto libraries including AES, TDES, SHA1, SHA2, PBKDF2
- * Comes with SDK, API and an Android app to develop your own custom NFC applications ([link to source code](#))



Specifications

Standard	ISO/IEC 14443A, 14443B, 18092, ECMA 340 Peer-to-Peer
Supported NFC Tags	<ul style="list-style-type: none"> - Type 1*: Topaz, Jewel, - Type 2*: NTAG (20x and 21x models), Mifare UL/UL-C - Type 4*: DESFire EV1 (2k/4k/8k) - MiFare Classic: 1k, 4k <p>* Support any NFC Forum compliant ISO14443 tag. The brands listed are the most common.</p>
Frequency	13.56MHz
Max RF output power	< 0.5W
RF Communication Speed	106, 212, 424 kbits/s
Power Supply	Battery Powered, charging port 3.3 or 5 VDC Micro USB
Current	< 100mA
Read Range	max. 10cm
Interface	Bluetooth Low Energy (Bluetooth Smart or Bluetooth 4.0+)
Indication Lights	<ul style="list-style-type: none"> - 6 x tri-colour LEDs (RGB) for NFC scan status - 1 x Blue LED for BLE status - 1 x Red LED for charging power connected status - 1 x Yellow LED for battery charging status - 1 x Green LED for battery charged status
Working Temperature	-10°C to +70°C
Storage Temp.	-30°C to +80°C
Enclosure Dimensions	L = 12.5cm ; W = 8cm ; H = 3cm