

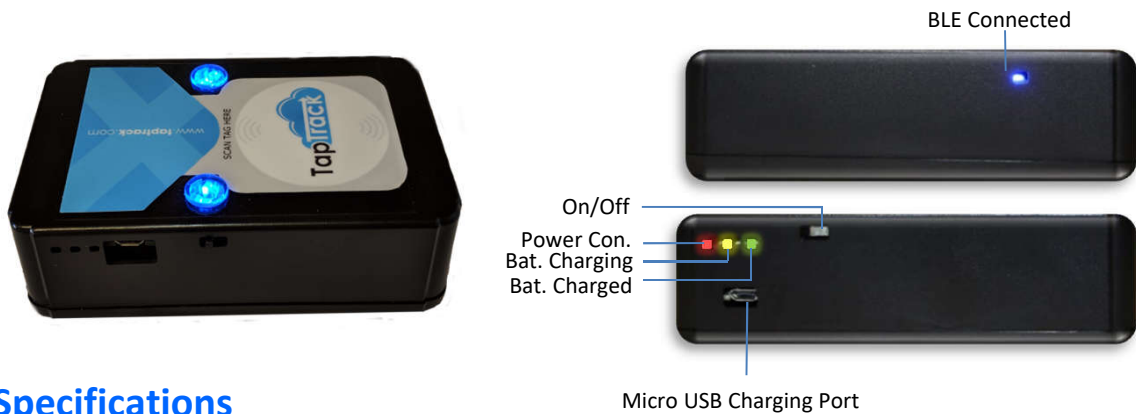


TappyBLE Datasheet

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

Features

- * NFC reader, writer, and emulator
- * Built in NDEF reading/writing/emulation for superior scanning speed and smoother user experience
- * Connected over Bluetooth Low Energy (BLE) , but capable of operating standalone (checkin station mode)
- * Large high range antenna capable of up to 100 mm range with CR80 inlays, 40mm typical
- * ISO 14443A/B, supports NFC Forum Type 1,2,3,4 tags
- * Free open source SDK for Android/iOS/Windows/Javascript (example utilities provied)
- * Rechargeable Li-On battery



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	DC 5V (from USB)
Current Draw	Charging: 500 mA typical
Battery Life	6-8 hours standard battery, 10-12 hours extended battery
Read Range	Max. 100mm, typical 40mm
Interface	Bluetooth Low Energy (BLE), also known as Bluetooth Smart ®
Indicators	<p>2 tri-colour LEDs (RGB) for scan status</p> <p>1 tri-colour LED for BLE connection and low battery warning</p>
Working Temperature	-30°C to +70°C
Dimensions	L = 12.5cm ; W = 8cm ; H = 3cm