



TappyBLE Datasheet

All-in-one NFC Reader, Writer and Emulator with Bluetooth V5 and Rechargeable Battery

Features

- * NFC reader, writer, and emulator, Android keyboard mode
- * Built in NDEF reading/writing/emulation for superior scanning speed and smoother user experience
- * Connected over Bluetooth Low Energy (BLE), v5 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 provided)
- * Available as wired power only, or 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 (battery models): 500 mA max For Wired Power models (no battery): typical 180 mA , max 230 mA
Battery Life	Standard battery: 6-8 hours Extended battery: 10-12 hours extended battery
Read Range	Max. 100mm, typical 40mm
Interface	Bluetooth Low Energy (BLE) ver. 5, also known as Bluetooth Smart®
Indicators	2 tri-colour LEDs (RGB) for scan status 1 Blue LED for BLE connection and 3 LEDs for battery status
Working Temperature	-30°C to +70°C
Dimensions	Without removable rubber feet: L = 12.5cm ; W = 8cm ; H = 2.5cm With rubber feet: L = 12.5cm ; W = 8cm ; H = 2.8cm