



# TappyUSB Datasheet

## All-in-one NFC Reader, Writer and Emulator with USB

### Features

- \* Compact NFC reader, writer and emulator
- \* Connected over USB , but capable of operating purely standalone
- \* Full NFC stack on board, includes NDEF reading/writing and tag emulation
- \* On board crypto libraries including AES,TDES,SHA1,SHA2,PBKDF2
- \* Configurable over USB using TapTrack Windows/Chrome based Software



Micro USB B Port

### Specifications

Standard	ISO/IEC 14443A, 14443B, 18092, ECMA 340 Peer-to-Peer
Supported NFC Tags	<ul style="list-style-type: none"> <li>- Type 1*: Topaz, Jewel,</li> <li>- Type 2*: NTAG (20x and 21x models), Mifare UL/UL-C</li> <li>- Type 4*: DESFire EV1 (2k/4k/8k)</li> <li>- MiFare Classic: 1k, 4k</li> </ul> <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 3.3 or 5V
Current	< 100mA
Read Range	max. 10cm
Interface	USB (Virtual Com Port @ 115200 bps up to 460800 bps)
Indication Light	7 tri-colour LEDs (RGB)
Working Temperature	-10°C to +70°C
Storage Temp.	-30°C to +80°C
Approx. Enclosure Dimensions	L = 12.5cm ; W = 8cm ; H = 3cm