TappyUSB Datasheet

NFC Reader, Writer, Emulator, Keyboard Wedge

Features

* USB connected NFC reader, writer, and emulator, and keyboard wedge
* Built in NDEF reading/writing/emulation for superior scanning speed and smoother user experience
* Connected over USB , 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/Windows/Chrome/Javascript (example utilities provied)
* Supports USB Serial (CDC), Human Input Device (HID), and Raw Bulk Transfer (Native) profiles
* Available as PCB only, high voltage 24V power, RS232 interface, integrated high power relay output

Specifications

Standard	ISO/IEC 14443A, 14443B, 18092, ECMA 340 Peer-to-Peer
Supported NFC Tags	- 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 * Support any NFC Forum compliant ISO14443 tag. The brands listed are the most common.
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	Standby 140mA, Operating 200 mA
Read Range	Max. 100mm, typical 40mm
Supported Interfaces	USB (Virtual Com Port @ 115200 bps, 8 data bits, 1 stop bit, no parity)* User configuratble for Human Input Device (HID) or Native USB profiles *default configuration but user can configure others
Indicators	2 tri-colour LEDs (RGB), audible buzzer
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 Cable length: 1.7m

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