

POCKET NFC

13.56 MHz Multi Standard USB NFC Reader/Writer



Key Features

- Stylish USB stick sized NFC reader-writer
- Multi-standard and protocol support
 - ISO/IEC 14443 incl. MIFARE Crypto 1
 - ISO/IEC 15693
 - ISO/IEC 18092
 - ISO/IEC 18000-3 mode 3
 - Supports all NFC Forum tag types
- 3 color Status LEDs
- Application specific software upon request
- USB powered
- USB digital communication mode options
 - USB-CCID (Chip Card Interface Device)
 - USB-CDC VCOM (Virtual Com Port)
 - USB-HID KBD (Keyboard, HID class)



Typical applications

Desktop based contactless smart card and smart label applications and contactless application development.

Product Description

GMMC's Pocket NFC reader writer is a small USB stick form factor multi-standard, multi-protocol RFID reader-writer which incorporates market leading RF interfaces and a powerful 32 bit microcontroller.

This USB connected multiprotocol reader-writer features a PCB integrated antenna three status LEDs. GMMC offers application specific firmware development for this device.

USB Host communication interface options:

- USB-HID KBD (Keyboard, HID class)
- USB-CCID (Chip Card Interface Device)
- USB-CDC VCOM (Virtual Com Port)

Keyboard emulation option

The Sangoma-MS is also available as a USB HID device class model acting as a keyboard. As this is a standard USB device class supported by all major operating system this reader can be operated on many OS platforms without the need of additional drivers. The reader can be configured to output the desired memory content (location and number of bytes to read configurable) separated by also configurable delimiters (ASCII characters). GMMC provides customer specific firmware adaptations upon request.

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we deliver for your success

Technical details

Host Interface	USB 2.0 (USB 1.1/3.0 compliant) type A
USB communication speed	Max. 12 Mbps (USB 2.0 full speed)
Host connection	USB Type A connector
Operating frequency	13,56 MHz
Supported Tag IC Standards	ISO/IEC14443, ISO/IEC15693, ISO/IEC18092
Contactless tag operating distance	up to 70 mm (depending on tag IC and tag antenna size)
RF Antenna	PCB Integrated
Power supply	USB bus-powered, 5V (+0,25V,-0,6V)
Power consumption	< 85 mA , 70 mA typ.
Dimensions	64 x 25 x 8.5 [L x W x H in mm]
Weight (including cable)	10 g
Operating temperature range	-10° to 65°C
Storage temperature range	-10° to 65° C
Operating humidity range	up to 95% RH non-condensing
Status Indicator	3 LEDs (RGB)
Installed Firmware	Depends on chosen Product type
Regulatory ¹⁾ /Environmental	CE, FCC ID: 2AKHW-POCKETNFC, IC: 22202-POCKETNFC, RoHS3
Ordering Information	
• USB-CCID	Pocket NFC - CCID
• USB-CDC VCOM	Pocket NFC – VCOM
• USB HID-KBD	Pocket NFC - KBD

¹⁾The device is intended to be used directly plugged into e.g. a PC, Laptop, USB bus extender, router or the likes. If the user intends to use a USB extension cable it is strongly recommended to use USB extension cables with ferrites to ensure regulatory EMI compliance.

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Physical dimensions



Product labels



Located at bottom of the product enclosure.