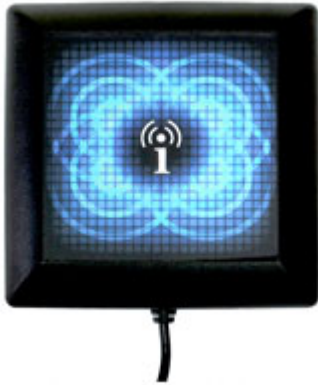## DTAG100-NFC dynamic tag in desktop enclosure

The DTAG100-NFC dynamic tag module from Dot Origin is a internal device that enables easy and rapid modification of NFC tag data via USB. Part of the well-established DTAG100 range of intelligent beacons and dynamic NFC tags, the DTAG100-NFC is designed to connect directly with digital signage, media players, PCs and other systems, offering complete platform independence without the need for software drivers or any knowledge of NFC protocols or tag data formats.

Unlike standard NFC tags, which cannot be updated dynamically in the field, the DTAG100-NFC connects via USB and is designed to appear as a standard removable mass storage device. All configuration is via simple text files that can be edited manually or generated easily by applications or add-on scripts. To compatible mobile phones, it appears as a true standards-based NFC tag that can be changed and updated by the attached system whenever needed. It has the ability to serve all possible NDEF tag types, including Smart Posters, vCards, app download, multi-record and even embedded MIME types!

With plenty of on-board flash storage, the DTAG100-NFC is also capable of intelligent, stand-alone operation, with comprehensive logging and monitoring features. As well as customised NFC tag data, the DTAG100-NFC also enables application data to be transmitted back from the phone via NFC, opening up opportunities for exciting new interactions and uses.

The DTAG100-NFC is suitable for use in many applications including NFC-enabling out-of-home (OOH) advertising platforms and other digital signage products and solutions, as well as for interactive kiosks and payment applications. The built-in software-controlled hotspot highlighting LEDs can be used to enhance the user

experience where appropriate. An OEM version, without the desktop enclosure, and various other options are available - please contact us for more details.

The DTAG100-PRO is also available, which adds full iBeacon and custom BLE beacon support.

The DTAG100-NFC has been tested with a wide variety of phones and host systems, including Android, Windows and Linux. It comes complete with USB cable and links to full user documentation, developer guide and a comprehensive suite of demo apps for Chrome and Android, including source code and full technical support.

The boxed DTAG100-NFC dynamic NFC tag. Enables easy and regular updating of tag contents for digital signage, kiosks and other platforms, via USB. Comprehensive demos and documentation included.

To buy, visit:

https://www.smartcardfocus.com/shop/ilp/id~908/dtag100-nfc-dynamic-tag-in-desktop-enclosure/p/index.shtml

This Product Briefing has been produced by Dot Origin Ltd, the smart card experts behind SmartcardFocus.com. If you have a query email sales@smartcardfocus.com or call us on +44 (0)1428 685250.

DTAG100

Technical Specifications

Form-factor: Desktop case, wallbox or bare PCB

Dimensions: PCB: 78 x 78 x 15mm (3.1 x 3.1 x 0.59in) ; Cased: 110 x 110 x 60mm (4.3 x 4.3 x 2.4in)

Proximity interfaces: NFC + Bluetooth LE (DTAG100-PRO); NFC only (DTAG100-NFC)

Host interface + power: USB

LED highlighting: Yes - default 700mcd blue x 4

Device emulation: Mass storage, keyboard, serial COM

Secure firmware update: Yes, via USB mass storage

On-board data storage: 512KB, expandable to 2GB

Host O/S compatibility: Any

NFC antenna: PCB 24 x 20mm (0.94 x 0.78in), optional 150mm (5.9in) cable

Dynamic NFC tag: Yes

Multiple NDEF records/types: Yes

NFC activity logging: Yes

NFC write-back: Yes

Bluetooth functions - DTAG100-PRO only

BLE antenna: Ceramic, optional external UFL/SMA

Dynamic BLE beacon: Yes

Multiple virtual beacons: Yes*

iBeacon/proprietary beacons: Yes

Dynamic GATT attributes: Yes

BLE activity logging: Yes

BLE write-back: Yes

Manufacturer: Dot Origin