# TWN4 TECH TRACER KIT

## RFID Multi-Frequency NFC Contactless Reader and Writer



The TWN4 Tech Tracer Kit was developed for the primary purpose to determine the RFID transponder technology at the customer facility by presenting the customer card and reading the result on PC.
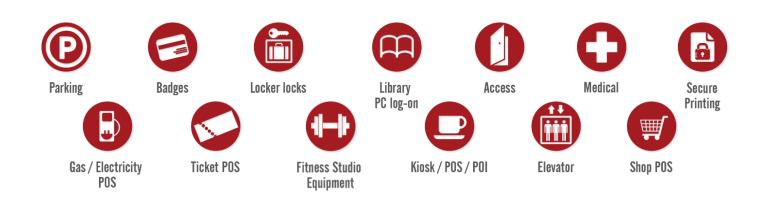
- Configured with Tech Tracer application
- Operates at three frequencies: 125kHz, 134.2kHz and 13.56MHz
- Simultaneously reads over forty transponder technologies (HID® Prox, HID® iClass , MIFARE® Classic. MIFARE® DESfire, LEGIC® Advant, Sony Ferlica, NFC active, passive and peer-to-peer mode, etc.)
- Powerful SDK for writing applications directly to TWN4 reader
- Includes TWN4 MIFARE NFC –PI desktop reader, twelve transponders in six unique technologies, desktop reader mounting options with a snap-in holder and mounting bracket, and USB memory stick with SDK and documentation.

The Elatec TWN4 RFID reader and writer was designed as the migration reader to address the numerous transponders deployed globally from low frequency (125kHz) such as HID® Prox to high frequency (13.56MHz) such as HID® iClass and MIFARE® to the NFC the emerging global standard incorporated on many android smart phone platforms. One reader capable of reading all technologies simplifies supply chain logistics and reduces costs.

**ELATEC**
RFID Systems

## The TWN4 Tech Tracer Kit consists of

| | | |
|---|---|---|
| **Article** | **1x ART15691** | TWN4 MIFARE NFC-PI DT-U120-b |
| | | Desktop, USB cable 1.2m, Black, PI-Version, pre-configured with special TechTracerApp. |
| | **2x ART10270** | MIFARE Classic Card (13.56MHz) |
| | **2x ART10274** | MIFARE DESFire Card (13.56MHz) |
| | **2x ART11861** | HITAG-S Card (125kHz) |
| | **2x ART12821** | HID iCLASS 2k Card (13.56MHz) |
| | **2x ART15498** | HID Prox Card (125kHz) |
| | **2x ART13530** | EM4200 KeyFob (125kHz) |
| | **1x ART15203** | Bracket Holder Kit, Black |
| | **1x ART13512** | Snap In Holder incl. adhesive pads, Black |
| | **1x USB memory stick** | includes drivers, sample source code, demos, datasheets. |
| | | Also documentation available by download. |
| **Supported Transponders** | **125kHz / 134.2kHz** | 4100, 4102, 4200[5], AWID, Casi Rusco, Cotag, G-Prox[8], HID Prox, HITAG 1[6], HITAG 2[6], HITAG S[6], Honeywell Nexwatch, Indala, ioProx, Keri, MIRO, Pyramid, TIRIS/HDX, UNIQUE |
| | **13.56MHz / ISO14443A** | MIFARE Classic 1k & 4k, Mini, DESFire EV1, Plus S&X[7], Pro X[7], SmartMX[7], Ultralight, Ultralight C, SLE44R35, SLE66Rxx (my-d move)[7], LEGIC Advant[5], PayPass[7] |
| | **13.56MHz / ISO14443B** | Calypso[7], CEPAS[7], HID iCLASS[5], Moneo[7], PicoPass[7], SRI512, SRT512, SRI4K, SRIX4K |
| | **13.56MHz / ISO18092 / NFC** | NFCIP-1: Active and passive communication mode, Peer-to-Peer[1], NFC Forum Tag Type 1-4; Sony FeliCa[6] |
| | **13.56MHz / ISO15693** | EM4x33[7], EM4x35[7], HID iCLASS[5], ICODE SLI, LEGIC Advant[5], M24LR16/64, Tag-It, SRF55Vxx (my-d vicinity)[7], PicoPass[7] |
| **Order Code** | **ART15460** | |

[1] In Preparation  [2] On Request Only  [3] External Interface Required  [4] Target Specification  [5] UID Only  [6] Encryption Not Supported  [7] UID/PUPI Only, Read/Write On Request  [8] Hash Value Only

Parking • Badges • Locker locks • Library PC log-on • Access • Medical • Secure Printing

Gas / Electricity POS • Ticket POS • Fitness Studio Equipment • Kiosk / POS / POI • Elevator • Shop POS

## Detailed Information

Refer to document: Datasheet/SDK TWN4 MIFARE NFC, AppBlaster Guide, Overview List Transponder Cardreader ELATEC RFID