

# TECHTRACER KIT TWN4 MULTITECH\*

## RFID Multi-Frequency NFC Contactless Reader and Writer

\*previously known as TWN4 TECH TRACER KIT MIFARE NFC



The TechTracer Kit TWN4 MultiTech 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 FeliCa, 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 MultiTech 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.

## The TWN4 Tech Tracer Kit consists of

Article	<p>1x T4DT-FB7BLZ-PI TWN4 MIFARE NFC-PI DT-U120-b-L Desktop, USB cable 1.2m, Black, PI-Version, pre-configured with special TechTracerApp.</p> <p>2x ART10270 MIFARE Classic Card (13.56MHz)</p> <p>2x ART10274 MIFARE DESFire Card (13.56MHz)</p> <p>2x ART13243 MIFARE Paper Label (13.56MHz)</p> <p>2x ART11861 HITAG-S Card (125kHz)</p> <p>2x ART12821 HID iCLASS 2k Card (13.56MHz)</p> <p>2x ART15498 HID Prox Card (125kHz)</p> <p>2x ART13530 EM4200 KeyFob (125kHz)</p> <p>1x HKBR-B Bracket Holder Kit, Black</p> <p>1x HKSI-B Snap-In Holder incl. adhesive pads, Black</p> <p>1x USB memory stick Includes drivers, sample source code, demos, datasheets and documentation.</p>
Supported Transponders	<p>125kHz / 134.2kHz</p> <ul style="list-style-type: none"> <li>4100, 4102, 4200<sup>10)</sup>, 4050, 4150, 4450, 4550, AWID, CASI-RUSCO, HITAG 1<sup>11)</sup>, HITAG 2<sup>11)</sup>, HITAG S<sup>11)</sup>, Keri, Miro, Pyramid, TIRIS/HDX, UNIQUE, FDX-B, Q5, TITAN, T55x7, ZODIAC</li> <li>Optionally, in consideration: 4305, Cardax, IDTECK</li> </ul> <p>13.56MHz / ISO14443A</p> <ul style="list-style-type: none"> <li>MIFARE Classic 1k &amp; 4k EV1<sup>7)</sup>, Mini, DESFire EV1, Plus S&amp;X, Pro X<sup>8)</sup>, SmartMX<sup>8)</sup>, Ultralight, Ultralight EV1<sup>7)</sup>Ultralight C, SLE44R35, SLE66Rxx (my-d move)<sup>8)</sup>, LEGIC Advant<sup>5)</sup>, PayPass<sup>8)</sup>, NTAG2XX<sup>7)</sup></li> </ul> <p>13.56MHz / ISO14443B</p> <ul style="list-style-type: none"> <li>Calypso<sup>8)</sup> incl. Innovatron radio protocol 14443-B<sup>6)</sup>, CEPAS<sup>8)</sup>, HID iCLASS<sup>5)</sup>, Moneo<sup>8)</sup>, PicoPass<sup>8)</sup>, SRI512, SRT512, SRI4K, SRIX4K</li> </ul> <p>13.56MHz / ISO15693</p> <ul style="list-style-type: none"> <li>EM4x33<sup>8)</sup>, EM4x35<sup>8)</sup>, HID iCLASS<sup>5)</sup>, ICODE SLI, LEGIC Advant<sup>5)</sup>, M24LR16/64, Tag-it, SRF55Vxx (my-d vicinity)<sup>8)</sup>, PicoPass<sup>8)</sup></li> </ul> <p>13.56MHz / ISO18092 / NFC</p> <ul style="list-style-type: none"> <li>NFCIP-1: Active and passive communication mode, Peer-to-Peer, NFC Forum Tag Type 1-4, Sony FeliCa<sup>9)</sup></li> </ul>
Order Code	T4DK-FB7BLZ-PI

<sup>5)</sup>UID Only <sup>6)</sup>UID Only, read/write On Request <sup>7)</sup>r/w enhanced security features on request <sup>8)</sup>r/w in direct chip command mode <sup>9)</sup>UID + r/w public area <sup>10)</sup>Only emulation of 4100,4102  
<sup>11)</sup>Without encryption mode



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

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