

## TWN4 MultiTech Card Reader / Writer



The Elatec TWN4 card reader / writer is virtually a single-part-number solution and the most versatile product of its kind on the market today. The primary feature includes the ability to simultaneously read more than fifty RFID technologies in both the low frequency (LF) and high frequency (HF) bands, including NFC. It's also field programmable via USB or a contactless card, which ensures that the correct card reader has been deployed and the installation will not be delayed.

In addition, the TWN4 can be configured as a diagnostic tool to identify the type of RFID technology, bit length, memory size and unique identification number. The TWN4 is also certified worldwide in most primary and secondary markets, with custom programming and private labeling available on request.

## Supported Transponders

### Standard

- 125kHz / 134.2kHz: 4100, 4200, AWID, CASI-RUSCO, HITAG 1, HITAG 2, HITAG S, Keri, Miro, Pyramid, TIRIS/HDX, UNIQUE, FDX-B, Q5, TITAN (4x50), T55x7, ZOODIAC Optionally in consideration: 4305, Cardax, IDTECK
- 13.56 MHz / ISO14443A: MIFARE Classic 1k & 4k, Mini, DESFire EV1, Plus S&X, Pro X, SmartMX, Ultralight, Ultralight C, SLE44R35, SLE66Rxx (my-d move) LEGIC Advant, PayPass
- 13.56MHz / ISO14443B: Calypso, CEPAS, HID iCLASS, Moneo, PicoPass, SRI512, SRT512, SR14K, SRIX4K
- 13.56MHz / ISO15693: EM4x33, EM4x35, HID iCLASS, ICODE SLI, LEGIC Advant, M24LR16/64, Tag-it, SRF55Vxx (my-d vicinity) PicoPass
- 13.56MHz / ISO18092 / NFC: NFCIP-1: Active and passive communication mode, Peer-to-Peer, NFC Forum Tag Type 1-4, Sony FeliCa

### Version-P

- Supports Standard features as above as well as Cotag, G-Prox, HID Prox, Honeywell NexWatch, Indala, ioProx

### Version-PI

- Supports Standard and Version-P Features as well as HID iCLASS (CSN and Facility Code)

## Frequency

- 125kHz, 134.2kHz (LF) / 13.56MHz (HF)

## Dimensions

- 88mm x 56mm x 18mm / 3.5inch x 2.2inch x 0.7inch

## Power Supply

- 4.3V..5.5V via USB or RS232; RS232 requires a 5V external power supply; via connector CNB 3.3V +/- 5%

## Temperature Range

- Operating: -25°C up to +80°C (-13°F up to +176°F)
- Storage: -45°C up to +85°C (-49°F up to +185°F)

## Read- / Write Distance

- Up to 100mm / 4 inches (depending on transponder)

## Transmission Speed

- Host: USB: Full speed (12Mbit) - RS232: Up to 115.200baud / Air: Up to 848bit/s

## Modes of Operation

- USB keyboard emulation - USB virtual COM port - Transparent (direct chip-commands support)
- CCID and PC/SC 2.01