

TWN4 MultiTech Card Reader



The Elatec TWN4 card reader is one of the most versatile products of its kind on the market today. It's virtually a single-part-number solution which could potentially reduce inventory requirements by more than 50%. TWN4 simultaneously reads more than fifty RFID technologies from both the low frequency (LF) and high frequency (HF) bands, including NFC. This provides the option to select as many of the technologies required instead of being forced to select one or two like most other readers.

TWN4 is 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. This decreases the configuration time from up to 30 minutes for an integrated reader, to less than 5 seconds with a contactless card.

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