

Elatec TWN4 MultiTech 2 USB desktop contactless reader



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The Elatec TWN4 MultiTech 2 contactless reader is a flexible and intelligent desktop USB device that is capable of reading and writing a wide range of contactless, RFID and NFC, cards and tags operating at both 125KHz and 13.56MHz.

Part of the TWN4 family of devices, with a wide range of options, this standard version is capable of working with many low frequency tags, such as EM, HiTag and AWID, as well as the full range of high frequency technologies including MIFARE, PicoPass and FeliCa, according to the ISO 14443, ISO 15693 and ISO 18092 NFC standards.

The USB interface defaults to keyboard emulation (wedge) mode, but can be re-configured to support either standard CCID mode (for PC/SC operation) or as a virtual COM (serial) port, by installing different firmware. The TWN4 MultiTech 2 is therefore suited to many applications including on-demand printing, access control enrolment and kiosk operation, especially where compatibility with multiple card technologies is required.

In addition, the TWN4 MultiTech 2 can be enhanced through on-board programming, to enable custom applications, for example to enable specific data to be read securely from cards and returned down the keyboard or virtual serial port to a 'dumb' application or device. To support this, it also includes two on-board SAM slots for secure key storage or other uses, and a free SDK.

Other operations are supported by firmware changes - please contact us for more details.

The manufacturer's part number for this reader is T4BT-FB2BEL6

Flexible and programmable smartcard reader/writer compatible with most 125KHz (LF) and 13.56MHz (HF) RFID and NFC cards and tags, and providing keyboard emulation and CCID modes.

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~906/twn4-multitech-2-usb-desktop-contactless-reader/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.

Technical Specifications

Product:

Manufacturer: Elatec

Credential type(s): Contactless

Read/Write: Read and Write

Form factor: Portable

Connector: USB CCID (Standard 2.0 Type A connector)

OS support: Windows 10, 8.1, 8, 7, Vista, XP; Windows Server 2016, 2012 R2, 2012, 2008 R2, 2008, 2003; Linux; Mac OS; Android

Contactless Card Interface:

Contactless interface standard: ISO 14443 A and B, ISO 15693, ISO 18092 ECMA-340

Contactless credential types include: DESFire EV1, iClass UID only, MIFARE Classic, MIFARE Plus, MIFARE Ultralight EV1, MIFARE Ultralight C, SLE44R35, Topaz, NFC Forum Tag Types 1-5

Contactless operating frequency: High (13.56MHz) and Low (125kHz) (disabled in Russia)

Contactless operating distance: Up to 100mm (4in) depending on environment and transponder

Contactless read/write speed: HF Air up to 848kbps

Host Interface:

USB operating modes: USB keyboard emulation - USB virtual COM port - CCID / PC/SC 2.01

Host data transmission speed (wired): 12 Mbps (USB full speed)

Other Features:

Status indicators: LED

Firmware in-field upgradeable: Yes

Certifications:

Manufacturer's warranty: 1 year

MTBF: 500 000hrs

Type approvals: CE, FCC, RoHS 3, REACH

Country of origin: Germany

Physical:

Dimensions: 88 x 56 x 18mm (3.5 x 2.2 x 0.7in)

Weight ($\pm 5\%$): 117g (4.13oz) with cable

Cable length supplied: 2m (79in)

Power:

Supply voltage: 4.3 V - 5.5 V DC via USB

Battery power option: No

Environment:

Operating temperature: -25 to 70degC (-13 to 158degF)

Storage temperature: -45 to 75degC (-49 to 167degF)

Operating humidity: 5-95% RH (non-condensing)

Manufacturer's part number: T4BT-FB2BEL6