TWN4 PCSC HF

13.56 MHZ PC/SC RFID READER/WRITER WITH NFC SUPPORT

TWN4 PCSC HF
PCB top view

Desktop version
(inlay customizable)

Elatec's TWN4 PCSC HF reader/writer allows users to read and write to almost any 13.56 MHz tags and/or labels. It supports all major transponder technologies from various suppliers like ATMEL, Fujitsu, EM, ST, NXP, TI etc. and ISO standards like ISO14443A/B (T=CL), ISO15693.

Special features:

+ firmware update in the field possible
+ onboard 18 kB flash storage, e.g. for storing user accessible non-volatile data
+ CCID and PC/SC 2.01
+ 3D construction data (STEP) available on request

Elevator EV Chargers Access Shop POS Fitness Equipment Ticket POS PC Log-on Document Management Driver ID Vending Parking Gaming Locker Locks Time Attendance Industrial PC

TECHNICAL DATA

FREQUENCY	13.56 MHz (HF)
ANTENNA	Integrated
HOUSING	Material: ABS UL94-V0, color: black or white
DIMENSIONS (L X W X H)	Desktop Reader: 88 mm x 56 mm x 18 mm / 3.5 inch x 2.2 inch x 0.7 inch OEM Board: 76 mm x 49 mm x 9 mm / 3.0 inch x 1.9 inch x 0.35 inch
POWER SUPPLY	4.3 V - 5.5 V via USB
CURRENT CONSUMPTION	RF field on: 120 mA typically
TEMPERATURE RANGE	Desktop, Operating: -25 °C up to +70 °C (-13 °F up to +158 °F) Desktop, Storage: -45 °C up to +75 °C (-49 °F up to +167 °F)
RELATIVE HUMIDITY	5% to 95% non-condensing
READ- / WRITE DISTANCE	Up to 100 mm / 4 inch, depending on environment and transponder
TRANSMISSION SPEED	Host: USB Full speed (12 Mbit/s); Air: up to 848 kbit/s
OPERATING MODES (USB)	CCID / PC/SC 2.01
MTBF	500,000 hours
WEIGHT	PCB approx. 10 g (no cable) Desktop approx. 115 g (with cable)
SUPPORTED TRANSPONDERS (STANDARD)	ISO14443A: LEGIC Advant[1], MIFARE Classic EV1, MIFARE Classic, MIFARE Mini, MIFARE DESFire EV1, MIFARE DESFire EV2, MIFARE Plus S, X, MIFARE Smart MX, MIFARE Ultralight, MIFARE Ultralight C, MIFARE Ultralight EV1, NTAG2xx, PayPass, SLE44R35, SLE66Rxx (my-d move)[2], Topaz ISO14443B: Calypso, Calypso Innovatron protocol, CEPAS, HID iCLASS[1], Moneo, Pico Pass[2], SRI4K[3], SRIX4K[3], SRI512[3], SRT512[3] ISO15693: EM4x33[2], EM4x35[2], HID iCLASS[1], HID iCLASS SE/SR[1], ICODE SLI, LEGIC Advant[1], M24LR16/64[1], MB89R118/119[1], SRF55Vxx (my-d vicinity)[2], Tag-it, PicoPass[2]
OS SUPPORT	Windows XP, Vista, 7 (32-/64-bit), 8, 8.1, 10, Linux
PERIPHERAL INTERFACES	USB
CERTIFICATION NAME	TWN4 MultiTech 2 HF
CERTIFICATION(S)	RoHS-II compliant, CE/RED, FCC Single Modular Approval, IC, ACA
ORDER CODE(S)	T4BT-FB2BEL2-LCCID USB Black T4BT-FB2WEL2-LCCID USB White

[1]UID only [2]UID only, read/write on request [3]On request