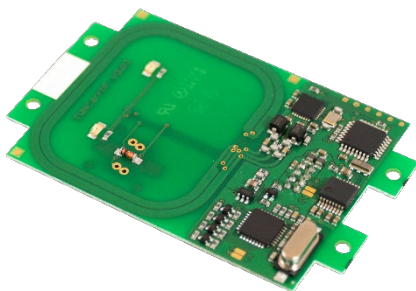


TWN3 MIFARE

TWN3 MIFARE M

PROGRAMMABLE HF RFID READERS/WRITERS



TWN3 MIFARE M
PCB top view



TWN3 MIFARE
(inlay customizable)

The TWN3 MIFARE and TWN3 MIFARE M RFID readers are designed for easy integration into various applications. The devices support either USB or RS232 communication just in dependence on the connection cable and are available as a ready-to-connect desktop reader in a slim line black or white housing or as an OEM board (PCB) without housing for direct integration into embedded applications. The readers can be programmed with a scripting language for autonomous execution of even complex commands like login procedures, increment/decrement functions and many more.



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	PCB aircoil; integrated
HOUSING	Material: ABS UL94-V0, color: black or white
DIMENSIONS (L X W X H)	TWN3 MIFARE: 88 mm x 56 mm x 18 mm / 3.5 inch x 2.2 inch x 0.7 inch TWN3 MIFARE M: 76 mm x 49 mm x 14 mm / 3.0 inch x 1.9 inch x 0.6 inch
POWER SUPPLY	5.0 V ± 10% via communication cable (USB); serial version requires external power supply Limited power source according to IEC 60950-1 or PS2 classified IEC 62368-1, short-circuit current < 8 A
CURRENT CONSUMPTION	55 mA typ. (USB, normal operation); 120 mA peak
TEMPERATURE RANGE	TWN3 MIFARE, Operating: -25 °C up to +70 °C (-13 °F up to +158 °F) TWN3 MIFARE, Storage: -45 °C up to +75 °C (-49 °F up to +167 °F) TWN3 MIFARE M, Operating: -25 °C up to +80 °C (-13 °F up to +176 °F) TWN3 MIFARE M, Storage: -45 °C up to +85 °C (-49 °F up to +185 °F)
RELATIVE HUMIDITY	5% to 95% non-condensing
READ- / WRITE DISTANCE	Up to 100 mm / 4 inch, depending on environment and transponder
OPERATING MODES (USB)	USB keyboard emulation – USB virtual COM port (bi-directional communication) – Direct access to built-in RFID module (transparent mode)
MTBF	500,000 hours
WEIGHT	Approx. 15 g / 0.53 oz (without housing)
SUPPORTED TRANSPONDERS (STANDARD) 13.56 MHZ	<u>ISO14443A:</u> LEGIC Advant ¹⁾ , MIFARE Classic EV1 ²⁾ , MIFARE Classic, MIFARE Mini, MIFARE DESFire EV1 ¹⁾ , MIFARE DESFire EV2 ¹⁾ , MIFARE DESFire Light ¹⁾ , MIFARE Plus S, X ¹⁾ , MIFARE Pro X ¹⁾ , MIFARE Smart MX ¹⁾ , MIFARE Ultralight, MIFARE Ultralight C ¹⁾ , MIFARE Ultralight EV1 ²⁾ , NTAG2xx ²⁾ , PayPass ¹⁾ , SLE44R35 ¹⁾ , SLE66Rxx (my-d move) ¹⁾ <u>ISO18092 ECMA-340:</u> NFC Forum Tag 1-5 ³⁾
OS SUPPORT	Windows XP, Vista, 7 (32-/64-bit), 8, 8.1, Linux
PERIPHERAL INTERFACES	USB, RS232
TRANSMISSION SPEED	Host: USB Full speed (12 Mbit/s), RS-232: Baudrate 9600, Parity: none, even, odd
CERTIFICATION NAME	TWN3 MIFARE TWN3 MIFARE M
CERTIFICATION(S)	TWN3 MIFARE: CE/RED, EAC, FCC, IC, REACH and RoHS-III compliant TWN3 MIFARE M: CE/RED, REACH and RoHS-III compliant
ORDER CODE(S)	TWN3 MIFARE: T3DT-MB2BEL USB Black T3DT-MB2WEL USB White T3DT-MR2BEL RS-232 Black T3DT-MR2WEL RS-232 White TWN3 MIFARE M: T3DO-M OEM Board

¹⁾UID only ²⁾r/w enhanced security features on request ³⁾NFC Forum Tag 1 & 5 not supported

ACCESSORIES

HOLDER(S)	HKSI-B:	Snap-In Holder black
	HKSI-W:	Snap-In Holder white
	HKBR-B:	Bracket Holder black
	HKBR-W:	Bracket Holder white
CABLES	CAB-B2:	USB cable type A 200 cm / 78.74 inch
	CAB-B4:	USB cable type A 45 cm / 17.72 inch
	CAB-B7:	USB cable type A 120 cm / 47.24 inch
	CAB-M1:	USB cable mini 12 cm / 4.72 inch
	CAB-R2:	RS-232 cable 200 cm / 78.74 inch

ELATEC GmbH

Zeppelinstr. 1
 82178 Puchheim • Germany
 P +49 89 552 9961 0 • F +49 89 552 9961 129
 E-Mail: info-rfid@elatec.com
 Website: elatec.com

ELATEC Inc.

4203 SW High Meadows Ave
 Palm City • FL 34990 • USA
 P +1 772 210 2263 • F +1 772 382 3749
 E-Mail: americas-info@elatec.com
 Website: elatec.com

ELATEC Technology (Shenzhen) LLC

No. 716 Industrial Bank Tower
 Futian District • Shenzhen • China
 P/F +86 755 2394 6014
 E-Mail: apac-info@elatec.com
 Website: elatec.com

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