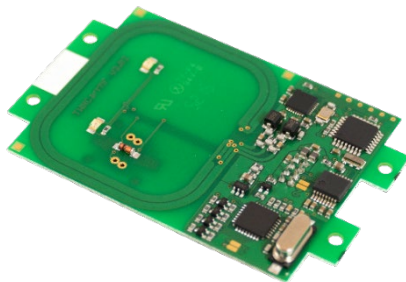


TWN3 LEGIC NFC TWN3 LEGIC NFC M

PROGRAMMABLE RFID READERS/WRITERS FOR HF AND NFC



TWN3 LEGIC NFC M
PCB top view



TWN3 LEGIC NFC
(inlay customizable)

TWN3 LEGIC NFC and TWN3 LEGIC NFC M are transponder readers designed for easy integration into various applications. Both devices support either USB or RS232 communication just in dependence on the connection cable. TWN3 LEGIC NFC is available as a ready-to-connect desktop reader in a slim line black or white housing, whereas TWN3 LEGIC NFC M is an OEM board (PCB) without housing for direct integration into embedded applications.

Both readers can be programmed with a script language for autonomous execution of even complex commands like login procedures, increment/decrement functions and many more.

Special features:

- + 5 V serial TTL interface
- + 2 GPIOs



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)	TWN3 LEGIC NFC: 88 mm x 56 mm x 18 mm / 3.5 inch x 2.2 inch x 0.7 inch TWN3 LEGIC NFC 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	140 mA typically (USB, normal operation); 200 mA peak
TEMPERATURE RANGE	TWN3 LEGIC NFC, Operating: -25 °C up to +70 °C (-13 °F up to +158 °F) TWN3 LEGIC NFC, Storage: -45 °C up to +75 °C (-49 °F up to +167 °F) TWN3 LEGIC NFC M, Operating: -25 °C up to +80 °C (-13 °F up to +176 °F) TWN3 LEGIC NFC 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 OEM environment and transponder
OPERATING MODES (USB)	USB keyboard emulation – USB virtual COM port
MTBF	500,000 hours
WEIGHT	Approx. 20 g / 0.71 oz (without housing)
SUPPORTED TRANSPONDERS (STANDARD) 13.56 MHZ	<u>ISO14443A:</u> LEGIC Advant, MIFARE Classic EV1 ¹⁾ , MIFARE Classic, MIFARE Mini, MIFARE DESFire EV1, MIFARE DESFire EV2 ¹⁾ , MIFARE DESFire Light ¹⁾ , MIFARE Plus S, X, MIFARE Pro X ²⁾ , MIFARE Smart MX ²⁾ , MIFARE Ultralight, MIFARE Ultralight C, MIFARE Ultralight EV1 ²⁾ , NTAG2xx ²⁾ , PayPass ³⁾ , SLE44R35 ³⁾ , SLE66Rxx (my-d move) ³⁾ <u>ISO18092 ECMA-340:</u> NFC Forum Tag 1-5 ⁴⁾ , Sony FeliCa ³⁾ , Passive peer-to-peer mode - initiator, NFC Tag 2, 3, 4 <u>ISO14443B:</u> Calypso ²⁾ , CEPAS ²⁾ , HID iCLASS ¹⁾ , Moneo ²⁾ , Pico Pass ³⁾ <u>ISO15693:</u> EM4x33 ³⁾ , EM4x35 ³⁾ , HID iCLASS ¹⁾ , HID iCLASS SE/SR ¹⁾ , ICODE SLI ³⁾ , LEGIC Advant, M24LR16/64 ³⁾ , SRF55Vxx (my-d vicinity) ³⁾ , Tag-it ³⁾ , PicoPass ¹⁾ <u>LEGIC Prime:</u> LEGIC Prime
OS SUPPORT	Windows XP, Vista, 7 (32-/64-bit), 8, 8.1, 10, Linux
PERIPHERAL INTERFACES	USB, RS232, 2 GPIOs, 5 V serial TTL interface
TRANSMISSION SPEED	Host: USB Full speed (12 Mbit/s), RS-232: Baudrate: 1200, 2400, 4800, 9600, 19200, 38400, 57600, Parity: none, even, odd
CERTIFICATION NAME	TWN3 LEGIC NFC TWN3 LEGIC NFC M
CERTIFICATION(S)	TWN3 LEGIC NFC: CE/RED, EAC, FCC, IC and many more ⁵⁾ TWN3 LEGIC NFC M: CE/RED Both readers are REACH and RoHS-III compliant.
ORDER CODE(S)	TWN3 LEGIC NFC T3DT-BB2BEL USB Black T3DT-BB2WEL USB White T3DT-BR2BEL Serial Black T3DT-BR2WEL Serial White TWN3 LEGIC NFC M T3DO-B OEM Board

¹⁾UID only ²⁾r/w enhanced security features on request ³⁾r/w in direct chip command mode ⁴⁾NFC Forum Tag 1 not supported ⁵⁾More information on request

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
POWER SUPPLY	PWA-EU3	Power Supply (EU)
	PWA-US3	Power Supply (US)
	PWA-UK3	Power Supply (UK)
	PWA-AU3	Power Supply (AU)
	PWA-JP3	Power Supply (JP)
CABLES	CAB-B2	USB cable type A 200 cm / 78.74 inch
	CAB-B3	USB cable type A 12 cm / 4.72 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-M2	USB cable mini 25 cm / 9.84 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.

1995 SW Martin Hwy
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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