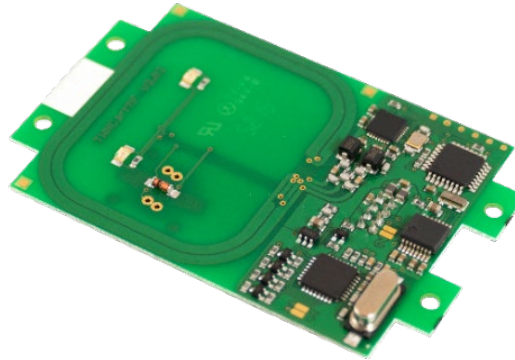


TWN3 LEGIC NFC M

Single-frequency HF RFID module with NFC support



TWN3 LEGIC NFC M
(exemplary illustration)

TWN3 LEGIC NFC M is an RFID reader module designed for easy integration into various applications that supports either USB or RS-232 communication just in dependence on the connection cable. The module is available as a PCB without housing for direct integration into embedded applications. It 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 TTL serial 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
DIMENSIONS (L X W X H)	Approx. 76.00 x 49.00 x 14.00 mm / 2.99 x 1.93 x 0.55 inch
POWER	USB: 5.0 V ± 10% RS-232: requires 5 V external power supply ES1/PS2 classified power source according to IEC 62368-1, short-circuit current < 8 A
CURRENT CONSUMPTION	140 mA typically (USB, normal operation); 200 mA peak
TEMPERATURE RANGE	Operating: -25 °C up to +80 °C (-13 °F up to +176 °F) Storage: -40 °C up to +85 °C (-40 °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
MTBF	500,000 hours
WEIGHT	Approx. 20 g / 0.71 oz
SUPPORTED TRANSPONDERS	Depending on the firmware version, the reader supports a wide range of transponder technologies. Please refer to the relevant ELATEC transponder matrix (available at www.elatec-rfid.com/int/transponder-technology) for more information about the transponder technologies supported by the reader.
OS SUPPORT	Windows 7 (32-/64-bit) and higher versions, Linux
PERIPHERAL INTERFACES	USB, RS-232, 2 GPIOs, 5 V TTL serial interface
TRANSMISSION SPEED	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 M
CERTIFICATIONS	Non-exhaustive list ¹⁾ : CE/RED, REACH and RoHS-III compliant
ORDER CODES	T3DO-B

¹⁾The product has been certified for use in many countries and regions. Contact your Sales representative for detailed information about all certifications and approvals granted to the product.

ACCESSORIES

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
POWER SUPPLIES	PWA-AUS4	Power supply (AUS)
	PWA-EU4	Power supply (EU)
	PWA-UK4	Power supply (UK)
	PWA-US4	Power supply (US)

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