

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 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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