TWN3 MIFARE

Single-frequency HF RFID reader with NFC support

TWN3 MIFARE
(exemplary illustration)

TWN3 MIFARE is an RFID desktop reader designed for easy integration into various applications that supports either USB or RS-232 communication just in dependence on the connection cable. The ready-to-connect desktop reader is available in a slim line black or white housing and 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
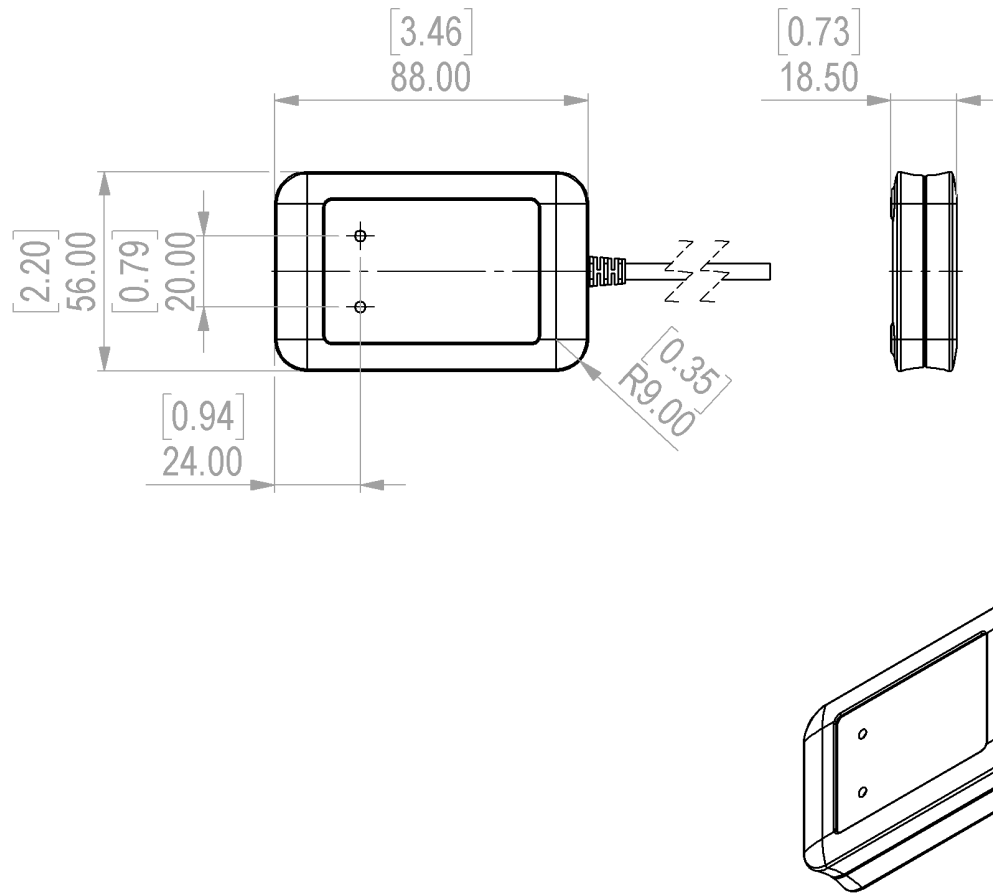
TECHNICAL DATA

FREQUENCIES	13.56 MHz (HF)
ANTENNA	PCB aircoil, integrated
HOUSING	Material: ABS UL94-V0 Color: black or white
DIMENSIONS (L X W X H)	Approx. 88.00 x 56.00 x 18.50 mm / 3.46 x 2.20 x 0.73 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	55 mA typically (USB, normal operation); 120 mA peak
TEMPERATURE RANGE	Operating: -25 °C up to +70 °C (-13 °F up to +158 °F) Storage: -40 °C up to +75 °C (-40 °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
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
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
TRANSMISSION SPEED	USB full speed (12 Mbit/s) RS-232: baudrate 9600 Parity: none, even, odd
CERTIFICATION NAME	TWN3 MIFARE
CERTIFICATIONS	Non-exhaustive list[2]: CE/RED, FCC, IC, TAA compliant, REACH and RoHS-III compliant
ORDER CODES	T3DT-MB2BEL Standard reader, USB cable, black housing T3DT-MB2WEL Standard reader, USB cable, white housing T3DT-MR2BEL Standard reader, RS-232 cable, black housing T3DT-MR2WEL Standard reader, RS-232 cable, white housing

[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.

TECHNICAL DRAWINGS

All measures in mm [inch]