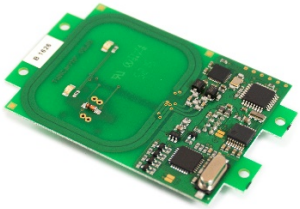
TWN3 MIFARE

PROGRAMMABLE HF RFID READER/WRITER



TWN3 MIFARE
PCB top view

Desktop version
(inlay customizable)

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

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)	Desktop Reader: 88 mm x 56 mm x 18 mm / 3.5 inch x 2.2 inch x 0.7 inch OEM Board: 76 mm x 49 mm x 14 mm / 3.0 inch x 1.9 inch x 0.6 inch
POWER SUPPLY	5.5 V ± 10% via communication cable (USB); serial version requires external power supply
CURRENT CONSUMPTION	55 mA typ. (USB, normal operation); 120 mA peak
TEMPERATURE RANGE	Desktop, Operating: -25 °C up to +70 °C (-13 °F up to +158 °F) Desktop, Storage: -45 °C up to +75 °C (-49 °F up to +167 °F) PCB, Operating: -25 °C up to +80 °C (-13 °F up to +176 °F) PCB, 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
INTERFACES	USB, RS-232
TRANSMISSION SPEED	Host: USB Full speed (12 Mbit/s) RS-232: Baudrate 9600 Parity: none, even, odd
OPERATING MODES	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 (without housing)
SUPPORTED TRANSPONDERS (STANDARD)	ISO14443A: MIFARE Classic EV1[4)], MIFARE Classic[3)], MIFARE Mini[1)], MIFARE DESFire EV1[1)], MIFARE Plus S[2)], X[2)], MIFARE Pro X[1)], MIFARE Smart MX[1)], MIFARE Ultralight, MIFARE Ultralight C[3)], MIFARE Ultralight EV1[1)], NTAG2xx[4)], PayPass[1)], SLE44R35[1)], SLE66Rxx (my-d move)[1)], LEGIC Advant[1)]
OS SUPPORT	Windows XP, Vista, 7(32/64 bit), 8, 8.1 and Linux
CERTIFICATIONS	RoHS-II compliant, CE/RED, EAC, FCC, IC, SRRC
ORDER CODE(S)	T3DO-M OEM Board T3DT-MB2BEL USB Black T3DT-MB2WEL USB White T3DT-MR2BEL Serial Black T3DT-MR2WEL Serial White

[1)]UID only [2)]Support of security level 1 [3)]Without encryption [4)]r/w enhanced security features on request

ACCESSORIES

HOLDER	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: RS232 cable 200 cm / 78.74 inch

FOR DRAWINGS & PIN OUT PLEASE REFER TO DOCUMENT DS_TWN3 PINOUT & CABLES

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