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.

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Elevator	EV Chargers	Access	Shop POS	Fitness	Ticket POS	PC Log-on	Document Management	Driver ID	Vending	Parking	Gaming	Locker Locks	Time Attendance	Industrial

TECHNICAL DATA								
FREQUENCY	13.56 MHz (HF)							
ANTENNA	PCB aircoil; Integrated							
HOUSING	Material: ABS UL94-V0, color: black or white							
	Desktop Reader: 88 mm x 56 mm x 18 mm / 3.5 inch x 2.2 inch x 0.7 inch							
DIMENSIONS (L X W X H)	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							
	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)							
TEMPERATURE RANGE	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							
	Host: USB Full speed (12 Mbit/s)							
TRANSMISSION SPEED	RS-232: Baudrate 9600							
	Parity: none, even, odd							
	USB keyboard emulation							
OPERATING MODES	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)							
	<u>ISO14443A</u> :							
SUPPORTED TRANSPONDERS	MIFARE Classic EV1 ⁴), MIFARE Classic ³), MIFARE Mini ¹), MIFARE DESFire EV1 ¹),							
(STANDARD)	MIFARE Plus S ²), X ²), MIFARE Pro X ¹), MIFARE Smart MX ¹), MIFARE Ultralight, MIFARE							
(STANDARD)	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							
	T3DO-M OEM Board							
	T3DT-MB2BEL USB Black							
ORDER CODE(S)	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

	HKSI-B: Snap-In Holder black
	HKSI-W: Snap-In Holder white
HOLDER	HKBR-B: Bracket Holder black
	HKBR-W: Bracket Holder white
	CAB-B2: USB cable type A 200 cm / 78.74 inch
	CAB-B4: USB cable type A 45 cm / 17.72 inch
CABLES	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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