TWN3 MIFARE

13.56MHz Contactless Reader/Writer



The TWN3 MIFARE transponder 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 script language for autonomous execution of even complex commands like login procedures, increment/decrement functions and many more.



Technical Data			
Housing	Material ABS UL94-V0, colour black or white		
Frequency	13.56 MHz		
Dimensions	Desktop Reader: 88mm x 56mm x 18mm / 3.5inch x 2.2inch x 0.7inch		
	OEM Board: 76mm x 49mm x 14mm / 3.0inch x 1.9inch x 0.6inch		
Power Supply	5V ± 10% via communication cable (USB); serial version requires external power supply		
Supply Current	55mA typ. (USB, normal operation); 120mA peak		
Temperature	Storage: -45°C up to +85°C (-49°F up to 185°F)		
Range	Operating: -25°C up to +80°C (-13°F up to 176°F)		
Antenna	Aircoil		
R/W Distance	up to 100 mm / 4 inch (depending on transponder)		
Host Interfaces	USB, RS232.		
OS Support	Windows XP, Vista, 7(32/64 bit), 8, 8.1 and Linux		
Communication	USB: Full speed (12 MBit)		
Parameters	RS232: Baudrate: 9600		
	Parity: none, even, odd		
Modes of Operation	USB keyboard emulation		
	USB virtual COM port (bi-directional communication)		
	Direct access to built-in RFID module (transparent mode)		
Special Features	Powerful scripting language		
Supported	 ISO14443A 		
Transponders	 MIFARE: Classic 1k & 4k , Classic 1k & 4k EV1⁴), DESFire EV1¹), Mini, Plus S², X²), Pro X¹), SmartMX¹), 		
	PayPass ¹⁾ , Ultralight, Ultralight EV1 ¹⁾ , Ultralight C ³⁾ , NTAG2xx ⁴⁾		
	LEGIC Advant (ISO14443A) ¹⁾		
	• SLE44R35 ¹⁾		
	SLE66Rxx (my-d move) ¹)		
Certifications	CE, Australia, EAC, FCC, IC, SRRC, RoHS-II compliant		
Weight	Approximately 15g (without housing)		
Order Code	OEM board Desktop reader: T3DO-M		
	USB black: T3DT-MB2BEL		
	USB white: T3DT-MB2WEL		
	Serial black: T3DT-MR2BEL		
	Serial white: T3DT-MR2WEL		

¹⁾ UID only, ²⁾ Support of security level 1 ³⁾ Without crypto ⁴⁾ r/w , enhanced security features planned

Accessories			
Order Code	Snap-in holder	Bracket Holder	CAB-B2 - USB cable 200cm / 78.74inch
	HKSI-B - black,	HKBR-B - black,	CAB-B4 - USB cable 45cm / 17.72inch
	HKSI-W - white	HKBR-W - white	CAB-B7 - USB cable 120cm / 47.24inch
Order Code	PWA-EU - Power Supply (EU)	ART14713 Power Supply (US)	CAB-M1 - USB cable mini 12cm / 4.72inch
	PWA-AUS - Power Supply (AU)	ART14715 Power Supply (UK)	CAB-R2 - RS232 cable 200cm / 78.74inch

Drawing/Pin Out

Refer to document DS_TWN3 Pinout & Cables

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