TWN3 HID PROX

125kHz Contactless Reader

The TWN3 HID PROX 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	125 kHz
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	130mA typ. (USB, normal operation); 220mA peak
Temperature Range	Storage: -45°C up to +85°C (-49°F up to 185°F)
	Operating: -25°C up to +65°C (-13°F up to 150°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 Parameters	USB: Full speed (12 MBit)
	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 Transponders	HID Prox
	This includes all HID short and long formats, as well as the highly secure Corporate 1000 card formats.
Certifications	CE, Australia, EAC, FCC, IC, India, KCC, SRRC, RoHS-II compliant
Weight	Approximately 15g (without housing)
Order Code	OEM board Desktop reader: T3DO-H
	USB black: T3DT-HB2BEL
	USB white: T3DT-HB2WEL
	Serial black: T3DT-HR2BEL
	Serial white: T3DT-HR2WEL

[1] UID only

Accessories

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

Drawing/Pin Out

Refer to document DS_TWN3 Pinout & Cables