

# 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<br>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)<br>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)<br>RS232: Baudrate: 9600<br>Parity: none, even, odd  |
| Modes of Operation       | USB keyboard emulation<br>USB virtual COM port (bi-directional communication)<br>Direct access to built-in RFID module (transparent mode)      |
| Special Features         | Powerful scripting language  |
| Supported Transponders   | HID Prox<br>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<br>USB black: T3DT-HB2BEL<br>USB white: T3DT-HB2WEL<br>Serial black: T3DT-HR2BEL<br>Serial white: T3DT-HR2WEL |

<sup>1)</sup>UID only

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

| Drawing/Pin Out                           |
|---|
| Refer to document DS_TWN3 Pinout & Cables |

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