

Product Datasheet Mobile Industrial Reader Terminal R/W

Article No : TPP – 10



The TPP-10 is mobile RFID Reader Terminal based at a TDS Recon platform and delivers maximum performance and reliability in a light-weight and extremely rugged design. The waterproof TPP-10 weights just 490 gram, and it exceeds military specifications for drop, vibration and both high and low temperature operation.

You can count on TPP-10 when portability, data security and maximum operating time are crucial. The PowerBoot Module™ integrates a 3800 mAh battery pack with industry-standard 9 pin serial and USB ports into a single component you can easily replace even in the field. The 3.800 mAh NiMH-battery allows 12 – 30 hours operating, depending on usage. With the operating system Windows CE.NET or Pocket PC 2003 is easily upgradeable and gives unmatched performance.

IP67 protection, 26 drops to concrete from 1,2meter height, operating temperature -30°C to +60°C and a humidity resistance according to MIL-STD 810F method 507.4 shows that stress less operation is granted for your application.

READER FEATURES

Frequency

125 kHz +/- 0.5% (at RT)

Antenna

Integrated air-coil antenna

Read Distance

Short range, 7cm with 30mm UNIQUE, 11cm with ISO-card UNIQUE

Interface

Compact flash card type II

Transponder types

Read only EM4102 (Sokymat Unique)
Read only ISO 11784 /5 (FDX-B)
Read write 256 bits Hitag 2 /S
Read write 264 bits e5555 (Q5); e5557
Read write 1024 bits EM4050 (Titan)
Read write 2048 bits Hitag 1 /S

Features

- Reader is fully integrated into the TPP-10
- High protection class of IP67
- Large storage (-40°C to +70°C) temperature range
- Large operating (-30°C to +60°C) temperature range
- Extreme rugged, exceeds MIL-STD 810F
- Delivered with free TAS-40 firmware

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TERMINAL FEATURES

Length	Length: 165 mm, Width: 95 mm, Height: 45 mm
Weight	490 g including battery
Technical data	Protection class: IP 67 Drop: 26 fall from 1,2 m on concrete Storage temperature: -40 °C till +70 °C Operating temperature: -30 °C till +60 °C Humidity resistance: MIL-STD 810F method 507.4
Processor / memory	Intel PXA 255 X-Scale CPU RECON200 - 200 MHz, 64 MB SDRAM, 64 MB NAND Flash RECON400 - 400 MHz, 64 MB SDRAM, 128 MB NAND Flash
Display	1/4 VGA, 240 x 320 Pixel, colour TFT display with touch-screen and front light
Battery	3.800 mAh NiMH-battery for 12 – 30 hours operating depending on usage
Operating system	Microsoft CE.NET 4.1or Windows Mobile 2003
Connections	1 x USB-B Slave (12 Mbps) 1 x RS232 (115 Kbps) 1 x Charging 2 x CF-slot type II
Communication	<i>Optional via CF-Card Slot:</i> WAN: Audiovox GPRS WLAN: Socket 802.11b (11 Mbps) PAN: Socket Bluetooth
Keyboards	10 keys, onscreen qwerty softkeyboard
Accessories	12-V-vehicle charger Socket Bluetooth CF-card Socket 802.11 b WLAN CF-card Socket barcodereader Audiovox GSM/GPRS-Modem

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- ① **FLEXIBLE DATA FIELDS**
These data fields display the information related to the unique transponder identification number. The software stores a maximum of 10 different data relations in the database with a maximum of 15 characters per field. The headers of these fields can be changed in the HEADER CONFIGURATION.
- ② **ID FIELD**
Display of the transponder identification number.
- ③ **DATE FIELD**
Date and time of the last transponder reading.
- ④ **SIGNATURE FIELD**
This field is writable with the PDA pen and can be used for example as signature field. The visual information is electronically stored in the database.
- ⑤ **EXIT BUTTON**
Exit the program.
- ⑥ **INFORMATION BUTTON**
Program information.
- ⑦ **DATABASE BUTTON**
Database access.
- ⑧ **LANGUAGE BUTTON**
Change the language between English/German.
- ⑨ **HEADER CONFIGURATION BUTTON**
Configuration of the flexible data field headers.
- ⑩ **TRANSPONDER READ BUTTON**
Push this button for reading out the transponder (the transponder must be in front of the RFID reader head).
- ⑪ **CANCEL BUTTON**
Cancels all data in the display.
- ⑫ **WRITE BUTTON**
Saves the displayed information in the database or into the transponder.
- ⑬ **CLEAR SIGNATURE BUTTON**
Clears contents of the signature field.
- ⑭ **KEYBOARD BUTTON**
Displays the virtual keyboard.



Order Number

TPP-10.A2 : 200MHz Processor
TPP-10.A4 : 400MHz Processor

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