



MOBILE INDUSTRIAL RFID READER TERMINAL READ / WRITE 125 kHz / 134 kHz FDX-B

Frequency:	125 kHz +/- 5.0 kHz (at RT)
Antenna:	Integrated air-coil antenna
Read Distance RFID:	Short Range, 5 cm with 30mm Unique, 8 cm with ISO-card Unique
Scan Distance Barcode:	30-40 cm
Interface:	Secure Digital (SD)
Transponder types:	Read only EM410x (Unique), Read only ISO 11784 /5 (FDX-B) Read write 264 bits e5555 (Q5), Read write 1024 bits EM4x5x (Titan) Read write 256 / 2048 bits Hitag 1 / 2/ S
Features:	• Reader is fully integrated into the TPP-12 • High protection class • Large storage (-20°C to +60°C) temperature range • Large operating (-20°C to +60°C) temperature range • Extreme rugged IP 64 • Delivered with free TAS-40 firmware
Part number:	TPP-12-AA (integrated RFID reader) TPP-12-BC (integrated RFID reader and Linear-Barcode-Imager)
Marketing tool:	The TPP-12 is a mobile RFID Reader Terminal based at on a INTERMEC platform and delivers maximum performance and reliability in a lightweight and extremely rugged design. The TPP-12 weights just 568 gram, and it exceeds military specifications for drop, vibration and both high and low temperature operation. You can count on TPP-12 when portability, data security and maximum operating time are crucial. The PowerBoot Module™ integrates a 2000 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 Lithium-Ion-battery allows 8– 12 hours operating, depending on usage. With the operating system Windows CE for Pocket PC it is easily upgradeable and gives unmatched performance. Drops to concrete from 1,5 meter height, operating temperature –20°C to +60°C shows that stress less operation is granted for your application.



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Length:	Length: 191mm, Width: 90 mm, Height: 50 mm
Weight:	483-568 g including battery (depending on options)
Technical data:	Protection class: IP 64 Drop: 26 times from 1,5 m on concrete Operating temperature: -20 °C till +60 °C Relativ Humidity : 5% to 95% (non-condensing)
Processor / memory:	Intel XScale, 400 MHz
Display:	Transflective, 240x320 pixels, 97 mm diagonal, 256 K colors
Battery:	2000 mAh LI-ION-battery for 8 – 12 hours operating depending on usage
Operating system:	Microsoft CE for Pocket PC 2002/2003 Optional .NET
Connections:	1 x USB-B Slave (12 Mbps) 1 x RS232 (115 Kbps) 1 x Charging
Keyboards:	Numeric
Accessories:	On request



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The screenshot shows the TECTUS TLP-1x CF RFID Reader software interface. It includes the following elements:

- Company**: Text input field (1)
- Location**: Text input field (1)
- Remark**: Text input field (1)
- Name**: Text input field (1)
- Transponder-ID**: Text input field (2)
- Date / Time**: Text input field (3)
- Sign here**: Signature area (4)
- Transponder read**: Button (9)
- Cancel**: Button
- Save**: Button
- Clear**: Button
- Radio buttons**: Other (selected), Q5, ISO FDX-B
- Status bar**: Contains icons for Info, DE, and a keyboard icon (5, 6, 7, 8, 9)

- 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.
- TRANSPONDER READ BUTTON**
Push this button for reading out the transponder (the transponder must be in front of the RFID reader head).
- CANCEL BUTTON**
Cancels all data in the display.
- SAVE BUTTON**
Saves the displayed information in the database or into the transponder.
- CLEAR SIGNATURE BUTTON**
Clears contents of the signature field.
- KEYBOARD BUTTON**
Displays the virtual keyboard.