

LF RFID Reader inside

HF RFID Reader
in Backpack

Industrial PDA
with WLAN*, GPRS*, GSM*,
Bluetooth*, USB, IrDA with
Integrated Barcode Scanner* and
Multi-Frequency
HF /LF
13,56 MHz /125 kHz / 134 kHz
RFID Reader/Writer
ISO-IEC11784 /11785
ISO-IEC14443A/B
ISO-IEC15693
ISO-IEC18000-2 /-3

Description:	Industrial PDA with WLAN*, GPRS*, GSM*, Bluetooth*, USB, IrDA with integrated Barcode Scanner* and Multi-Frequency HF and LF RFID Reader/Writer	
Processor: Memory:	CPU: ARM 920T 200 MHz (Motorola MX-1) high-performance. ROM: 32/128 MB NAND Flash ** RAM: 64 MB SDRAM Additional Memory: 1 x Compact Flash card, 1 x SD/MMC card	
Operating System:	Windows CE.NET ® Version 5.0	German, English
Display:	Touchscreen:: 3.5" transfective TFT display with LED backlight	240 x 320 pixel, 65536 colours
I/O Unit:	Keyboard: Matrix 23 keys.	Touchscreen: with stylus
Interfaces: Audio:	RS232: 3 externally available, 1 with battery case Mobile communication: GSM/GPRS Triband/ Quadband Modem ** AC 97 Codec: Integrated loudspeaker and microphone	Infrared: IrDA 1,2 (SIR) USB: 1 x WLAN (CF 802.11 b/g) Bluetooth module (CF slot)
Power Supply:	Rechargeable battery Li-Polymer, high capacity Power adaptor: DC 6V / 3A with power control on handheld	Back up battery: Rechargeable Li-Cell
Operating temperature:	-10°C....+55°C (bearing -20°C....+70°C)	
Housing:	Size: 214 x 90 x 47 mm Weight: 490 g	(without battery)
Barcode Scanner: Imager: Multi-frequency RFID Reader / Writer: Card Reader: Camera:	CCD or laser scanner 2D, barcode and photo 125 kHz / 134,2 kHz Unique EM4100, 5557, Hitag 1, 2, S, ISO11784 /85 FDX-B and 13,56 MHz ISO14443A, ISO15693 Optional on request: HDX, UHF Magstripe Card and / or Smart Card Resolution: SXGA 1280 x 1024 Focus: 10 - 90 cm (manual)	
Other:	 production	
Part number:	TPP-70-LF-HF	* = Optional configuration ** = Depending on mode

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Rugged Standard:	IP65 Protected against splashing water and dust	
Drop Test:	1,5 m on concrete, all 6 sides	
External Connection:	Printer: RS232, IrDA or Bluetooth GPS mouse: RS232	
Accessoires:	Synchronisation and power cable Hand strap with stylus* Printer combination PrintPack* BeltBag* Cradle for vehicle and desktop*	



Handstrap
with stylus*



Cradle for
Vehicle or
desktop*



PrintPack Printer
combination*



Maximum of
interfaces

Industrial PDA TPP-70 / 80 RFID Reader/Writer Description and Operating with LF GLASS TAG, LF DISC TAG and HF ISOCard or other HF TAG

The **Demo software program** installed on the PDA is easy to use by pushing buttons on the touch screen. Therefore a manual for this is not available. The software is already installed completely on the PDA. Secure copies of the install files are on the integrated SD card and in the TECTUS root folder.

Read Transponder ID:

1. Switch on the PDA by pushing the keyboard button.
2. Push the Windows button on touchscreen in left bottom corner and open the folder „Programs“
3. Push the icon „TLP1x146“ to start the software.
4. To read a tag tick the button „Read TAG“. The UID and the TAG type will be displayed in the field „Transponder Id“
5. If needed data could be entered in the optional fields to store it into the database.
6. Please note: The UID can be displayed reverse than on other readers depending on interpretation of UID

Scan Barcode :

1. The Barcode Scanner can be switched „ON“ or „OFF“ by pushing Function key „F3“.
2. The SCAN operation is activated by pushing the big yellow key „SCAN“.
3. The scanned code will be displayed on a selected field of an open Windows application.

How to enter text by using the key board:

1. To switch on and off the key board text entry mode press funtion key „F2“
2. To change from small to capital letter press the „#“ key

The best orientation of the PDA to read LF GLASS TAG, LF DISC TAG and HF ISOCard
you can see in the following pictures:

LF GLASS TAG vertical to PDA head **LF DISC TAG** parallel to PDA head

HF ISOCard or other HF TAG
parallel to BackPack

