

PD-Ident – Types and Features

RFID Handhelds for HF (ISO 15693)

Ident no.	Type designation	Barcode scanner	Processor	Flash ROM; RAM
7030564	PD-IDENT-HF-L1D-RBUP-SMART	1D laser	200 MHz	8MB; 64MB
7030601	PD-IDENT-HF-RWBTA	-	1 GHz	4GB; 512MB
7030602	PD-IDENT-HF-S2D-RWBTA	2D imager*	1 GHz	4GB; 512MB

* with pistol grip

RFID handhelds for UHF (ISO 18000-6C; EPCglobal Gen 2)

Ident no.	Type designation	UHF use	RF power (max)	Antenna polarization	Barcode scanner	Processor	Flash ROM; RAM
7030636	PD-IDENT-UHF-RWBTA-865-868	Europe	0.5 Watt ERP	horizontal	-	1 GHz	4GB; 512MB
7030637	PD-IDENT-UHF-S2D-RWBTA-865-868	Europe	0.5 Watt ERP	horizontal	2D imager*	1 GHz	4GB; 512MB
7030642	PD-IDENT-UHF-RWBTA-902-928	USA, Canada	1 Watt ERP	horizontal	-	1 GHz	4GB; 512MB
7030643	PD-IDENT-UHF-S2D-RWBTA-902-928	USA, Canada	1 Watt ERP	horizontal	2D imager*	1 GHz	4GB; 512MB
7030644	PD-IDENT-UHF-RWBTA-920-925	China	1 Watt ERP	horizontal	-	1 GHz	4GB; 512MB
7030645	PD-IDENT-UHF-S2D-RWBTA-920-925	China	1 Watt ERP	horizontal	2D imager*	1 GHz	4GB; 512MB
7030691	PD-IDENT-UHF-S2D-RWBTA-NID-865-868	Europe	2 Watt ERP	switchable	2D imager*	532 MHz	288MB; 256MB

Custom software adaption on request (examples)

Custom design

- Software possible in any language
- Reduction of setting options
- Data formats: ASCII, hex, decimal, binary, word, date, time etc.
- Checkboxes, value lists and tables
- Adaption of read/write operations
- Signal colors and signal tones
- Automatic counter
- Use of own corporate logo

Multitag, password, RSSI, Kill command

- Filtering and selection of tags with Multitag

- Password protection on handheld and tags
- Lock command for memory protection
- Kill command for deletion

Barcode

- Synchronization of barcode and RFID data
- Event trigger after scanning

Saving/loading of data

- Saving of data in local database on the handheld
- Saving of data in files and the provision

for external systems

- Transferring of files to the handheld and writing data to tags

Data transmission

- Data transmission at the push of a button via Wifi, Bluetooth, USB, RS232
- Data upload to an FTP server
- Sending data to a printer
- Connection of the handheld to RS232 devices, e.g. via USB-RS232 adapter (7504030) or programmable gateway and RS232 slice (6827181/6827169)

Your Global Automation Partner

PD-Ident RFID Handhelds



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PD-Ident – RFID Handhelds

Turck offers different handhelds for the mobile reading and writing of RFID tags in HF or UHF applications. The handhelds are supplied with battery, USB cable, docking station and power supply unit as standard.

On all devices, the data is transmitted via Bluetooth, Wifi or USB. Apart from the Smart model, all handhelds operate with Windows Embedded CE 6.0.



TA Series

TA Series

The handhelds of the TA Series are robust universal devices with protection to IP65 for industrial use. With their 3.7" color display and 55 keys, they offer an ergonomic user interface for RFID data communication. The portfolio of the TA handhelds is rounded off with the Smart model without a display and the NID model, which offers particularly high read/write ranges.



NID

NID

The NID handheld with protection to IP54 is for applications with particularly demanding requirements in terms of the RFID transmission range. The device features a 3.5" display and with a maximum RF output of 2 Watts, is ideal for multitag applications in which multiple tags have to be read simultaneously.



Smart

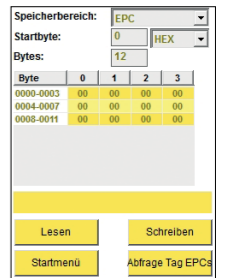
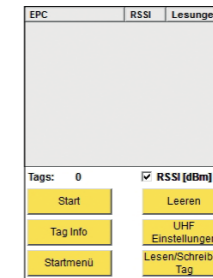
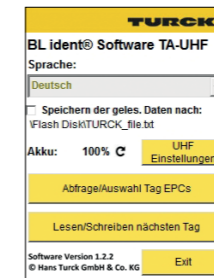
Smart

The Smart model without a display and with protection to IP54 is ideal for simple applications in the HF range. The Smart handheld is thus particularly suitable for intensive read applications, such as for inventory management.

Powerful Software Package

Functions of the application software

- Selection of different languages (German, English, French, Spanish, Italian, Chinese on request)
- Support for different tag types (including TW-R30-K9)
- Automatic tag type selection
- Multitag detection and tag selection
- Full addressing of the memory for reading and writing data
- Reading and writing up to 1000 bytes (HF) or 500 bytes in a single step
- Display of the byte addresses in the data table
- Detection and rectification of incorrect addressing of the user
- Different data formats: ASCII, hexadecimal, decimal
- Saving of the read data with date, time stamp, memory bank, address and EPC in a text file on the handheld
- Reading of barcodes and subsequent writing of information to the tag



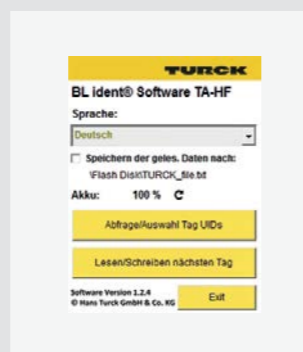
Additions for UHF

- Support of all ISO 18000-6C / EPCglobal Gen 2 compliant tags
- Display of the RSSI value when scanning the EPCs
- Selection of memory areas (KILL-PW, ACCESS-PW, PC, EPC, TID, USER)
- UHF parameter settings (power, double power for write operations, number of tags, frequency)



High flexibility

The Turck handhelds combine both barcode and RFID technologies in a single device. This enables the user to not only read or write RFID tags but also to scan optical barcodes or data matrix codes.



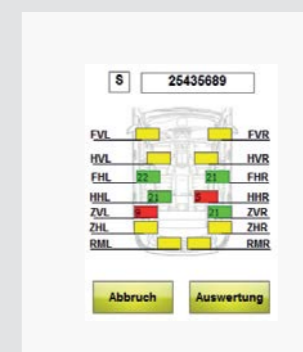
Free user software

The Turck RFID application software for the TA and NID models features a host of functions and comes preinstalled free of charge on the handhelds. The software boasts a high level of user-friendliness.



Customized software

If the functions provided in the standard application software are not enough, Turck offers extensive customized software adaptations. The possible customization options are shown on the back.



Special solutions

Turck offers the programming of special solutions for particular applications. One example is the evaluation of sensor tags that are sensitive to humidity for leakage tests in automobile production.