PEN Solid RFID UHF

The PEN Solid is very useable for mobile data acquisition, asset management and maintenance documentation in administration, industry and logistics.

It supports a wide field of different UHF transponder chips and additional sensor functionality. It is designed especially as touch enabled add on device for mobile devices, tablet PCs and smartphones and as well available as HF device.

SPECIFICATIONS

Basics:	UHF RFID read / write unit, RFID keyboard scanner, MPC RFID datacollector (on inquiry)
Control:	power button, scan button
Output:	power LED (orange), connect LED (blue), RF state LEDs (red/green)
RFID Air Interface:	RFID system iID®4000 UHF (868/915 MHz)
Standards:	based on ISO18000-6c
Chip Solutions:	Alien Higgs 3/4, Impinj Monza 3/4/5, NXP U-CODE, TELID®400, TELID®500, murata MAGICSTRAP™, IM5-PK2525 (type UHFcc)
Operating Distance:	0 ... 50 cm depending on device type, transponder size, type and environmental conditions
HOST Interface:	Bluetooth™
Wireless host interface:	Bluetooth™ 2.0, profiles: HID/ SPP, up to 10m communication range
Communication Modes:	Bluetooth™ server or client mode
Connectors:	USB micro (type B), for battery charging and device configuration
Software Interface :	iID® driver engine (Windows, Windows Mobile, Android)
Operation Modes:	programmable
Operation Modes:	DOC or SPC, MPC on inquiry
Power Modes:	SLEEP, IDLE, ACTIVE
Power Consumption:	SLEEP typ. 5µA , IDLE typ. 60 mA, ACTIVE max. 400 mA
Battery:	Li-Ion rechargeable
Type:	Li-Ion accumulator 3.7 V, 420 mAh, replacement by service
Operation Time:	up to 10h, depending on operation mode
Charging:	micro USB cable, via micro USB connector
Battery Life Time:	up to 3 years, max. 700 recharge cycles
Device Size:	PEN geometry 117 mm x 27mm x 19(23) mm
Casing Material:	plastic
Operation Temperature:	-20°C ... +60°C
Storage Temperature: -	- 25°C ... +70°C
Emissions:	examine for EN 302 208
Protection Class:	IP65

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