Nordic ID PL3000 Cross Dipole UHF RFID

The Nordic ID PL3000 Cross Dipole UHF RFID is the pur-posebuilt handheld computer designed to take full advan-tage of RFID in demanding work environments, including warehouses, logistics enterprises and industry.

ULTIMATE RFID PERFORMANCE

This powerful hand-held device combines out-standing RFID tag reading distance performance with low output power consumption. With its newly designed cross dipole RFID antenna, tags can be read from a distance of more than 4 meters - even in the most demanding working conditions.

In addition, the reader is well suited to item level tagging of non-opened boxes simultaneously with bar code reading, when needed. This func-tionality is particularly useful in the processing of garments or pallet logistics. More efficient rea-ding of tags extends the unit's effective opera-ting time allowing for continuous work without needing to charge or change the battery.

RUGGED ERGONOMIC DESIGN

The PL3000 Cross Dipole UHF has been desi-gned with ease of use in mind. At 800 grams, its smart ergonomic design combines with light weight to ensure easy one hand operation. Applications are also easy to use even in dark conditions thanks to individual key lighting. Its full screen display and built-in option to disab-le its touch screen functionality also minimizes potential errors by reducing access to device settings. Considering the demands of the typi-cal working environments for which it has been designed, the device has also been laboratory tested for drops, splash and dust. As a result of high-level investments in its product deve-lopment and comprehensive testing, Nordic ID grants the PL3000 Cross Dipole UHF a superior 2-year warranty.

IMPOROVED SOFTWARE MEANS GREATER PERFORMANCE

The addition of the latest version of the Win-dows CE operating system and Nordic ID soft-ware tools also brings major improvements to the handheld's operability. With its upgraded software, RFID applications can use all the me-mory available thus allowing it to run bigger and more complex applications faster than ever. The PL3000 Cross Dipole UHF comes with a pow-erful package of configuration and preinstalled NetOp remote management software. Configu-ration software helps the system integrator to create the settings of individual devices in advan-ce already before delivery to the target working environment. Meanwhile the NetOp software provides full control over the device enabling such functionality as interactive guidance for the end-user to remote updating of OS software settings and everything between.

Application software is also already available for PL3000 Cross Dipole UHF ranging from Naurtec terminal emulations to Ideam application pro-gramming tools. And, as with all other Nordic ID devices, the PL3000 Cross Dipole UHF com-bines the latest standard communication func-tionalities in the same unit. Technologies such as GPRS/EDGE, WLAN, Bluetooth and a USB combine to connect this remarkable hand held device to the back office systems and ensure the seamless flow of information.

RFID
UHF 200 mW
cross dipole

Barcode
laser
imager

GPRS

WLAN
Summit WLAN
802.11 b/g

Bluetooth
2.0
+ EDR Class 2

WIN CE 6.0

NORDIC ID

Nordic ID PL3000
Cross Dipole UHF RFID 200 mW

Basic Data

processor	Sharp LH7A400 (ARM 9)
operating platform	Microsoft® Windows® Embedded CE 6.0
memory	128 MB SDRAM / 32 MB Flash, SD/MMC (supports up to 2 GB)
display	3,5", 320 x 240 pixels (QVGA) colour touch screen
	translucent, energy saving function
keyboard	29 keys, individual key backlight (programmable)
battery	Li-Ion 4.400 mAh @ 7.2V
	operating time: up to 28 hours
colour	anthracite
dimensions L x H x W	250 x 180 x 90 mm
weight	800 g (including batteries)
casing	IP54
drop resistance	1,5 m on concrete
operation temperature	-10° C to +55° C
storage temperature	-20° C to +60° C
charging temperature	0° C to +45° C
charging time	6 hours from 0 to 100% on average
	3 hours from 0 to 90% on average
charger	desk top / vehicle charger with USB client

Communication

WLAN	Summit WLAN 802.11 b/g (WEP, WPA, 802.11i / WPA2, 802.11e / QoS)
GSM / GPRS	802.11 b/g/i/e, WPA2
Bluetooth (optional)	Class II v 2.0 + EDR
USB	1.1 (via charger)

Identifikation

barcode	laser / imager
	1D codes, GS1 DataBar, 2D codes
UHF RFID	output power: 200 mW, European frequency
	antenna: cross polarized, 5 dB gain
	reading distance: up to 4 m
	reading rate: up to 30 tags per second
	writting distance: up to 2 m
	standards: ISO 18000-6C (EPC class 1 Gen2)
	on request ISO 18000-6B Philips UCODE EPC 1.19

Miscellaneous

card slots	PCMCIA II
	SD/MMC
other	speaker, play-back of wave files, automatic tilt switch
	(activated through movement of device)

all information is subject to change without notice

Product Highlights

- reading distance up to 4 meter
- low power consumption in RFID usage
- fast reading of multiple tags
- 2 year warranty
- standard Windows CE operating system and browser
- several communication alternatives
- ergonomic design, compact size
- durability, built for heavy use
- large color display
- automatic wake up detector / tilt switch
- individual key light activation
- pistol grip with additional battery

Accessories

- desk top/car kit charger
- standard colour anthracite, customer specific colours are possible
- option for VoIP
- customizer - a replication software for applications and settings
- remote Management
- terminal emulation
- filesystem and registry back up

Application Development

- Nordic ID PL3000 Software Development Kit (SDK)
- Visual Studio 2005 and 2008 .NET Compact Framework 2.0 and 3.5
- rapid and easy application development with Nordic ID Multiple Hardware Layer tools
- supports all common programming languages

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