

DATA SHEET

Nordic ID PL3000 UHF RFID 200 mW

Nordic ID PL3000 with UHF RFID reader has reached the next level of better performance. The device now has a new generation RFID reader and integrated GPRS which will greatly improve performance and flexibility in operations.



READING FROM FAR AND FAST

The PL3000 provides outstanding performance in auto-id. Along with the state-of-the-art barcode scanner, the device's high performance RFID reader can read tags from a distance of up to 1,6 metres. The reading distance, in addition to improvements in reliability, allow the use of the PL3000 in widely different applications.

FAST CONNECTIVITY AND FREE- OF-CHARGE TO DEPLOY

Nordic ID PL3000 allows you to connect seamlessly to the GSM network and enjoy the related benefits. The PL3000 is ready to connect to your backend system wherever you can use your mobile phone. You do not have to establish networks as you can use the one that is already there.

CAREFREE AND SECURE

As you are using the GSM network for your communication, you do not have to worry about maintenance or the capacity of the network. Your mobile network operator takes care of these by default. Any GSM network has a standard inbuilt data security system which ensures the traffic in the network is secured and protected. If needed, the device can also be equipped with WLAN together with GPRS, which enables you to benefit from the low operating cost of WLAN and the freedom of GSM as the PL3000 UHF provides both.

RFID
UHF 200 mW
linear antenna

Barcode
laser
imager

GPRS

WLAN
Summit WLAN
802.11 b/g

Bluetooth
2.0
+ EDR Class 2

WIN CE 6.0



Nordic ID PL3000

UHF RFID 200 mW

2 year warranty

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 2.200 mAh @ 7.2V operating time: up to 14 hours (up to 28 hours with extra battery placed in pistol grip)
colours	turquoise or anthracite
dimensions L x H x W	250 x 40 x 90 mm
weight	550 g (including battery)
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	5 hours from 0 to 100% on average 2,5 hours from 0 to 90% on average
charger	desk top / vehicle charger with USB client

Communication

Bluetooth (optional)	class 2 + EDR
WLAN	Summit WLAN 802.11 b/g (WEP, WPA, 802.11i / WPA2, 802.11e / QoS)
GSM / GPRS	
USB	1.1 (via charger)

Identification

barcode	laser / imager 1D codes, GS1 DataBar, 2D codes
UHF RFID	output power: 200 mW, European frequency antenna: linear reading distance: up to 1,6 m reading rate: up to 30 tags per second writing distance: up to 0,8 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 1,6 m
- low energy consumption also in RFID modus
- fast reading of multiple tags
- standard Windows® CE operating system
- and standard browser
- 2 year warranty
- multiple communication opportunities
- ergonomic design
- one hand operation
- compact size
- robust
- large colour display
- automatic wake up indicator / tilt switch
- individual key backlight (programmable)

Accessories

- desk top / vehicle charger
- pistol grip with additional battery
- custom colours available
- Customizer - replication software for applications and device settings
- remote management
- terminal emulation
- file system and registry back up
- holster

Apps Preinstalled

- NID Keypad: individual key settings
- NID Menu: autostart options
- NID Indicators: signal strength / battery level
- NID Link Watchdog: verification of connection
- NID Scanner: type of barcode (settings / identification)
- NID SNTP Service: time synchronisation
- NID WWAN: GPRS dial in menu
- full screen browser Internet Explorer 6

Apps Optional

- NID RF series emulator
- remote management system

Development Environment

- 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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