

NORDIC ID PL3000

Cross Dipole UHF RFID

- smarter, faster and connected

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

ULTIMATE RFID PERFORMANCE

This powerful hand-held device combines outstanding 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 functionality is particularly useful in the processing of garments or pallet logistics. More efficient reading of tags extends the unit's effective operating time allowing for continuous work without needing to charge or change the battery.

RUGGED ERGONOMIC DESIGN

The PL3000 Cross Dipole UHF has been designed with ease of use in mind. At 600 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 disable its touch screen functionality also minimizes potential errors by reducing access to device settings.

Considering the demands of the typical 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 development and comprehensive testing, Nordic ID grants the PL3000 Cross Dipole UHF a superior 2-year warranty.



IMPROVED SOFTWARE MEANS GREATER PERFORMANCE

The addition of the latest version of the Windows CE operating system and Nordic ID software tools also brings major improvements to the handheld's operability. With its upgraded software, RFID applications can use all the memory available thus allowing it to run bigger and more complex application faster than ever.

The PL3000 Cross Dipole UHF comes with a powerful package of configuration and preinstalled NetOp remote management software. Configuration software helps the system integrator to create the settings of individual devices in advance 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 programming tools.

And, as with all other Nordic ID devices, the PL3000 Cross Dipole UHF combines the latest standard communication functionalities 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.

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Technical specifications		Product Highlights
Processor	ARM 9	<ul style="list-style-type: none"> • 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 • Durability, built for heavy use • Large color display • Automatic wake up detector / tilt switch • Individual key light activation • Pistol Grip with additional battery
Operating platform	Windows Embedded CE 6.0	
Memory	128 MB SDRAM / 32 MB Flash, SD/MMC (support up to 2 GB)	
Display	3,5", 320 x 240 pixels (QVGA) Touch screen, adjustable backlight, power save functionality	
Keyboard	Alphanumeric with 29 keys altogether, 10 function keys All keys programmable (excl. power key), individual key backlight	
Battery	Li-Ion 4400 mAh @ 7,2V Up to 28 hours	
Dimensions	250 x 180 x 90 mm	
Weight	800 g (incl. battery)	
Casing	IP54	
Drop resistance	1,5 on to concrete	
RFID	Output power 200 mW European Frequency	
Antenna	Cross polarized, 5 dB gain	
Supported standard(s)	ISO 18000-6 (EPC Class1 Gen2)	
Reading distance	up to 400 cm	
Reading speed	up to 30 tags per second	
Writing distance	up to 200 cm	
Scanner	1D laser scanner or 2D imager 104 scans/second ± 12 scans/second (bi-directional)	
Communications	WLAN 802.11 b/g* GPRS* Bluetooth Class 2.0 USB 1.1*	
Audio	Yes	
Environmental requirements	Operation temperature -10 °C - +55 °C Storage temperature -20 °C - +60 °C Charging temperature 0 °C - +45 °C	
Charger	Desktop charger with USB client / car kit charger 6 h from 0% to 100% charged 3 h from 0% to 90% charged	
Development tools	Nordic ID PL3000 Software Development Kit (SDK) Visual Studio 2005 .NET Compact Framework 2.0	
Warranty	2 years	<h4>Application Development</h4> <ul style="list-style-type: none"> • Software Development Kit • Rapid and easy application development with Nordic ID Multiple Hardware Layer tools • Supports all common programming languages
All information is subject to change without notice		

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