

NORDIC ID PL3000 HF RFID

Nordic ID PL3000 HF RFID is state-of-the-art dual-mode handheld terminal designed to ensure performance.

The most common RFID applications at the moment are in supply chain management. Usually these applications are record information concerning delivered products in manufacturing, information collection for received and sent goods in logistics and gathering information about goods in retail environments. Nordic ID has expanded its PL3000 product platform with high-frequency (HF) RFID features. HF has advantages over other frequencies (such as UHF RFID) by being able to read and write a tag in the presence of liquids and other obstructions. HF technology's near-field inductive coupling has an excellent immunity to environmental noise and electromagnetic interference (EMI). The benefit of HF technology is that it is the same band which is available worldwide.

IMPROVED SAFETY

The Nordic ID PL3000 with the HF RFID reader is designed to ensure performance. Healthcare organizations and pharmacies have started many pilot projects with RFID involvement. In healthcare, the importance of patient identification is paramount. The handheld device is bringing enhanced safety to daily functions in hospitals. It reduces mistakes and improves patient safety by making sure that the patients get the right treatment at the right time. Improved communication will keep hospital personnel connected and help them to reduce errors by having up-to-date information from the hospital's backend system. Aligning accurate data with the correct patient is essential in healthcare, whether or not technology is applied. RFID will ensure easy and fast identification of patients and medicines, and thus strengthen the level of care making the administration of the drugs safe and easy.

SUPPORT THROUGH TECHNOLOGY

In the PL3000 series Nordic ID has combined powerful data collection, processing and storing capacity with a variety of wireless communication technologies, including WLAN and Bluetooth. In addition to the RFID reader, the PL3000 can be equipped with barcode and 2D code readers. All the functionalities are integrated into a highly ergonomic and user friendly mobile instrument.

The same system can include barcodes and RFID tags. The device can read both as well as write on tags allowing you to transfer information from barcode to RFID tag conveniently on site. New standards can be added by remotely managed software updates, which ensure support for the future and secures the investment by extending the product's life-cycle.



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Technical specifications		Product Highlights	
Processor	ARM 9	<ul style="list-style-type: none"> • Low power consumption in RFID usage • Fast reading of multiple tags • 2 year warranty • Standard Windows CE operating system and browser • Several communication alternatives • One hand operation • Ergonomic design, compact size • Durability, built for heavy use • Large color display • Automatic wake up detector / tilt switch • Individual key light activation 	
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 2200 mAh @ 7,2V Up to 14 hours with standard battery Up to 28 hours with pistol grip battery		
Dimensions	250 x 40 x 90 mm		
Weight	550 g (incl. battery)		
Casing	IP54		
Drop resistance	1,5 on to concrete		
RFID	Output power 200 mW Operation frequency 13,56 MHz		
Supported standard(s)	ISO 15639, ICODE		<th>Accessories</th> <ul style="list-style-type: none"> • Desk top/Car kit charger • Pistol Grip with additional battery • Standard color granite, customer specific colors are possible • Option for VoIP • Customizer - a replication software for applications and settings • Remote Management • Terminal emulation • Filesystem and registry back up • Holster
Reading distance	up to 10 cm		
Writing distance	up to 10 cm		
Reading speed	up to 40 tags per second		
Scanner	1D laser scanner 104 scans/second ± 12 scans/second (bi-directional)		
Communications	Summit WLAN 802.11 b/g* *available simultaneously Bluetooth Class 2.0 +EDR* USB 1.1*		
Audio	Yes		
Environmental requirements	Operation temperature -20 °C - +55 °C Storage temperature -20 °C - +60 °C Charging temperature 0 °C - +45 °C		
Charger	Desktop charger with USB client / car kit charger 5 h from 0% to 100% charged 2,5 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		
All information is subject to change without notice		<th>Application Development</th> <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 	

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