

nordicidmorphic

Nordic ID Morphic UHF RFID Cross Dipole - Pocket size portability with big gun performance

The smallest and lightest UHF RFID reader in the market, finishes RFID inventory in minutes and still fits your pocket. With innovative foldaway Cross Dipole antenna construction, the reading angle of tags is no more relevant. The Cross Dipole antenna enables reading distances up to 2.5 meters and when folded away the unit still fits in your pocket. The champion performer optimizes intuitive use while providing robust features, offering fast track to productivity and quick ROI.

Nordic ID Morphic UHF RFID Cross Dipole is equipped with a UHF RFID reader and a laser scanner. It communicates via WLAN, 3G, Bluetooth, USB and Ethernet. The unit comes with a powerful battery (LiPo 2260 mAh) enabling up to 9h continuous RFID use.

Nordic ID Morphic is just the tool for item-level RFID projects in the shop floor level and supply chain. You can use the Nordic ID Morphic in real life RFID shop more than a working day with a single charge. Besides from Wi-fi communication, 3G functionality makes it the most suitable device for supply and logistics RFID projects. The offered functionalities make Nordic ID Morphic an all-around tool for professional use both indoors and outdoors in a small and ergonomic package.



UHF RFID	LASER or 2D IMAGER	3G HSDPA 900/2100	GSM GPRS/EDGE 900/1800	WLAN 802.11 a/b/g/n WPA2	BLUETOOTH 2.1 + EDR Class 2	WINDOWS CE 6.0	USB & ETHERNET via Charger
-----------------	---------------------------	--------------------------------	-------------------------------------	---------------------------------------	--	-----------------------	--

IDENTIFICATION	
UHF RFID Cross Dipole	Supported standard: ISO 18000-6C (EPC Class 1 Gen 2) Frequency 868 or 915 MHz RF Power: ERP +27 dBm (500 mW) Nominal reading range: 2.5 m Nominal inventory speed: 150 tags per second
1D Laser	GS1 databar compatibility Bidirectional Normal, hold to aim and hold down modes 2 character pre and post fixes, padding, replacement Reading confirmation via beeper and vibration for noisy environments Configurable scan alert sounds
2D Imager	GS1 databar compatibility High visibility LED aimer 2 character pre and post fixes, padding, replacement Video preview Reading confirmation via beeper and vibration for noisy environments Configurable scan alert sounds
PLATFORM	
CPU	ARM11 532 MHz
Operating system	Microsoft® Windows® Embedded CE 6.0
Memory	256 MB DDR RAM 288 MB Flash (256 MB user accessible) microSD card slot (SDHC compatible)
USER INTERFACE	
Display	2,2" QVGA touch screen, 240 x 320 pixels adjustable backlight
Keypad	21 keys Adjustable key backlight
Audio	Integrated receiver, microphone, speaker
Signals and indicators	Vibration alert Battery status indicator (LED)

PRODUCT HIGHLIGHTS

- Smallest 0.5W UHF RFID mobile computer
- Foldable RFID antenna
- Intuitive user interface
- Windows® CE operating system and standard browser
- 2 year warranty
- Multiple communication options
- Ergonomic design
- One hand operation
- Compact size and light weight
- Robust
- Sharp and bright colour display

ACCESSORIES

- Universal wall adapter
- Desktop charger with USB and Ethernet
- Extra battery (charging in desktop charger)
- Handstrap and stylus

PREINSTALLED APPLICATIONS

- NID Keypad: individual key settings
- NID Menu: autostart options
- NID Indicators: signal strength/battery level
- NID Scanner: barcode type settings
- NID LinkWatchdog: connection verification
- NID SNTP Service: time synchronisation
- NID WWAN settings
- Internet Explorer 6 with full screen

COMMUNICATION		
Wireless WAN	UMTS / HSDPA (900/2100 MHz), GSM / GPRS / EDGE (900/1800 MHz) (optional)	
Wireless LAN	IEEE 802.11 a/b/g/n (optional)	
WLAN security	Standards: WEP, WPA, WPA2 Encryption: WEP, TKIP, AES	
Wireless PAN	Bluetooth Class 2.1 + EDR	
LAN	Ethernet 10/100 via charger	
PAN	USB via charger	
POWER		
Battery	Rechargeable Li-Polymer 2260 mAh, 3.7 V	
Charging	Average charging time 0 - 90%: 3 h Average charging time 0 - 100%: 4,5 h Desktop charger	
External power supply	AC adapter for desktop charger	
Backup battery / batteries	<ul style="list-style-type: none"> • Back-up battery for RAM: maintains memory contents for 8 hours • Back-up battery for real-time clock: keeps time for 200 days 	
SIZE AND WEIGHT		
Dimensions	147 x 60 x 39 (carry) / 115 (use) mm	
Weight	235 g (incl. battery)	
DROP AND SHOCK		
Drop and impact resistance (drops onto concrete)	1.5 m	
ESD	Contacts	+/- 4kVdc
	Air discharge	+/- 8kVdc
ENVIRONMENT		
Environmental sealing	IP54 - dust and water splash protected	
Temperature	Operating	-20° to +55° C
	Storage	-20° to +60° C
	Charging	0° to +40° C
Relative humidity	10% to 95% non-condensing	

OPTIONAL APPLICATIONS

- Nordic ID Thin Client
- Naurtech terminal emulation CETerm
- Naurtech SAP browser
- Netop remote management

SOFTWARE DEVELOPMENT ENVIRONMENT

For all developers:

- USB driver and Microsoft Active sync + remote display
- Nordic ID MHL hardware abstraction layer
- Nordic ID Sample applications and source code
- Nordic ID Customizer

For .Net (C#, VB etc)

- Microsoft Visual Studio 2005 and 2008
- .NET Compact Framework 2.0 and 3.5
- Nordic ID SDK
- MHL API wrapper for .NET
- OpenCF .NET

For C++

- Nordic ID SDK
- MHL API
- NUR API
- Header file

For HTML

- Nordic ID Sample applications

All information is subject to change without prior notice.



EU DIRECTIVE
2002/96/EC ON WASTE
ELECTRICAL AND
ELECTRONIC
EQUIPMENT (WEEE)



V1002

NORDIC ID HEADQUARTERS

Myllyojankatu 2 A
FI-24100 Salo
FINLAND
tel. +358 2 727 7700
fax +358 2 727 7720
info@nordicid.com
www.nordicid.com

UNITED KINGDOM

Nordic ID Ltd
Stratford-upon-Avon, UK
tel. +44 1789 294 799
fax +44 1789 294 739
sales@nordicid.co.uk
www.nordicid.com

GERMANY

Nordic ID GmbH
Bielefeld, Germany
tel. +49 521/557717-0
fax +49 521/557717-10
info@nordicid.de
www.nordicid.de

BENELUX

Alphen aan den Rijn
The Netherlands
tel. +31 172 233 097
fax +31 172 475 653
info@nordicid.nl
www.nordicid.nl