NORDICID

NORDIC ID MORPHIC

Whether your business runs on technologies such as barcodes or you are still considering new ubiquitous alternatives, Nordic ID Morphic is a smart hardware investment. Nordic ID Morphic is a mobile computer for data collection and voice communication purposes, it offers a full range of functionalities in a small and ergonomic package.

THE FUTURE WORKS

We at Nordic ID acknowledge your technology concerns and have created a mobile computer that integrates neatly into your present system and is available also with a UHF RFID reader. Nordic ID Morphic RFID offers EPC G2 UHF RFID reader in a compact and cost efficient form. With an output power of 100-500 mW it reads tags from a distance up to 2 m. Not only that, the remote management system of Nordic ID Morphic means that software upgrades to units in the field are performed centrally thus minimising downtime and freeing up valuable IT resources for better use elsewhere. Indeed, smooth integration with software and hardware at the client interface is our goal ensuring a good future proof fit whatever the application environment.

A software emulator enables use with existing Nordic ID RF-series integrations with no further software work needed. If you are already using RF-series handhelds and have a WLAN network or are considering it, Nordic ID Morphic is the natural next step offering instant compatibility with the possibility to expand with other Windows applications.

SHAPED TO FIT

Nordic ID Morphic is first and foremost a working tool so we've designed it to be small enough to fit comfortably in the hand with easy-to-use ergonomic controls and a tough exterior. Your workforce will quickly warm to its well thought out design and intuitive functionality – this is a tool that won't get put down easily or forgotten somewhere on the shop floor because it simply makes work easier.

FAST ON THE CURVE

Nordic ID Morphic follows the same logic as its predecessors in the Nordic ID product range. Its robust no-nonsense exterior incorporates an intuitive user interface with browser for a fast return on information on the shop floor. Even novice users can quickly adapt to its practical operating logic, get on the learning curve and put it to work. Watch productivity increase as your workforce get access to valuable information that directs effective action. Nordic ID Morphic also combines data collection with voice communication thus removing the need to carry several devices at the same time. Nordic ID Morphic is all you need.

UHF
RFID

LASER
2D IMAGER

GSM/GPRS
EDGE
900/1800

WLAN
802.11 b/g/i/e
WPA2

BLUETOOTH
2.0
+ EDR Class 2

WINDOWS CE 6.0

USB & ETHERNET
via Charger

nordicid**morphic**

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TECHNICAL INFORMATION

Processor	ARM11 532 MHz
Operating platform	Microsoft® Windows® Embedded CE 6.0
Memory	256 MB DDR RAM / 288 MB Flash (256 MB user accessible) Micro SD card slot (SDHC)
Display	2,2", 320 x 240 pixels (QVGA) touch screen adjustable backlight, energy saving function
Keyboard	21 keys, adjustable key backlight

Battery		LiPo 1130	LiPo 2260
	Battery capacity (mAh):		
	Average charging time 0 - 90%:	1,5 h	3 h
	Average charging time 0 - 100%:	3 h	4,5 h
	Back up battery and real time clock		

Colour	Black
Dimensions	147 x 54 x 35 mm, Cross Dipole: 147 x 60 x 39 (carry) / 115 (use) mm
Weight	170 - 235 g (incl. battery)
Splash and dust protection	IP54
Drop resistance	1,5 m onto concrete
Operating temperature	-20° C to +55° C
Storage temperature	-20° C to +60° C
Charging temperature	0° C to +40° C.
Humidity	10% - 95% non-condensive

COMMUNICATION

Bluetooth	Class 2 + EDR
Wireless LAN	Summit Wi-Fi WLAN 802.11 b/g/i/e (optional)
WLAN Security	• Standards: WEP, WPA, WPA2 (802.11i) • Encryption: WEP, TKIP, AES • Encryption key provisioning: Static 40 bit, Static 128 bit, PSK, Dynamic • 802.11X Authentication protocol: EAP-FAST, EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-MSCHAPv2. LEAP
GSM / GPRS / EDGE	900/1800 MHz (optional)
USB	via charger
Ethernet	via charger

IDENTIFICATION

1D laser scanner	• GS1 databar compatibility • Bidirectional • Normal, hold to aim and hold down modes • 2 character pre and post fixes, padding, replacement • Configurable scan alert sounds
2D imager	• GS1 databar compatibility • High visibility LED aimer • 2 character pre and post fixes, padding, replacement • Video preview • Configurable scan alert sounds
UHF RFID	• Supported standard ISO 18000-6C (EPC Class 1 Gen 2) • Frequency 868 or 915 MHz • Adjustable output power up to +10 dBm (10 mW) ERP in 1 dB steps • Nominal reading range: 50 cm
UHF RFID Cross Dipole	• Supported standard ISO 18000-6C (EPC Class 1 Gen 2) • Frequency 868 or 915 MHz • Nominal inventory speed 150 tags/second • Adjustable output power up to +27 dBm (500 mW) ERP in 1 dB steps • Nominal reading range: 2.5 m

MISCELLANEOUS

Notification	vibration alert, battery status indicator (LED)
Audio	integrated receiver, microphone, speaker

PRODUCT HIGHLIGHTS

- Smallest 0.5W UHF RFID mobile computer
- 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 strenght/battery level
- NID Scanner: barcode type settings
- NID LinkWatchdog: connection verification
- NID SNTP Service: time synchronisation
- NID WWAN settings
- Netop remote management
- Internet Explorer 6 with full screen

OPTIONAL APPLICATIONS

- Nordic ID Thin Client
- Naurtech terminal emulation CETerm
- Naurtech SAP browser

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
- Header file

For HTML
- Nordic ID Sample applications

All information is subject to change without notice.