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 handheld 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 a 100 mW it reads tags typically from a distance up to 70 cm. Not only that, Nordic ID Morphic's remote management system 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	128 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 >1100 mAh Charging time 1,5 hours from 0 to 90% on average, 3 hours from 0 to 100% on average back up battery and real time clock
Colour	black or grey
Dimensions	147 x 54 x 24 mm or 147 x 54 x 28 mm
Weight	170 g - 190 g (incl. battery)
Splash and dust protection	IP54
Drop resistance	1,5 m onto concrete
Operating temperature	-20° C to +60° 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	
WLAN	802.11 b/g/i/e, WPA2	(optional)
GSM / GPRS	EDGE 900/1800	(optional)
USB	via charger	
Ethernet	via charger	

IDENTIFICATION

Barcode	Laser, GS1 DataBar 104 scans/second, +/-12 scans/s bidirectional	(optional)
Imager	2D Imager 0,36 MP, machine vision	(optional)
RFID	UHF RFID Frequency 868 MHz Output power up to 100 mW Reading range 0-100 cm Typical inventory distance 15 cm Typical inventory speed 800-1200 tags/minute Supported standard ISO 18000-6C (EPC Class 1 Gen 2)	(optional)

MISCELLANEOUS

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

All information is subject to change without notice.

Product Highlights

- Windows® CE operating system and standard browser
- 2 year warranty
- multiple communication options
- ergonomic design
- one hand operation
- compact size
- very light
- robust
- sharp and bright colour display
- future proof technologies
- available in custom colours

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

Development Environment

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

NORDIC ID

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