

Nordic ID Medea is an ideal contemporary data collection tool. The mobile computer is equipped with a large 4.3" touchscreen with an increased processing capability. The new processing capability enables developing more sophisticated and smoothly running applications offering users an ease-of-use experience. The Gorilla Glass 2 touchscreen provides a high screen quality and robustness.

Nordic ID Medea is designed for quick, accurate and reliable data collection whether it is for purely barcode reading, short-range RFID reading or heavy-duty RFID inventory.



## PRODUCT VARIANTS

**NORDIC ID MEDEA  
UHF RFID ADAPTIVE  
CROSS DIPOLE  
ONE-SERIES**



**NORDIC ID MEDEA  
UHF RFID CROSS DIPOLE**



**NORDIC ID MEDEA  
UHF RFID**



**NORDIC ID MEDEA  
BARCODE  
PISTOL GRIP**



**NORDIC ID MEDEA  
BARCODE**



UHF RFID



Laser  
Barcode



2D Imager  
Barcode



WLAN



3G



Blue-  
tooth



GPS



Windows  
EC7

## UHF RFID IDENTIFICATION

NORDIC ID MEDEA  
UHF RFID Adaptive Cross Dipole  
One-series

Supported standard: ISO 18000-63 (EPC Class 1 Gen2 V2)  
Frequency: ETSI 865.6 - 867.6 MHz or FCC/IC 902 - 928 MHz  
RF Power: ERP +33 dBm (2 W)  
Linear (horizontal & vertical) polarization mode, nominal reading distance: 7 m  
Circular polarization mode, nominal reading distance: 4 m  
Proximity mode, read range down to 1 cm  
Typical reading speed: 200 tags per second  
Software controlled antenna modes; linear (horizontal & vertical), circular or proximity

NORDIC ID MEDEA  
UHF RFID Cross Dipole

Supported standard: ISO 18000-63 (EPC Class 1 Gen2 V2)  
Frequency ETSI 865.6 - 867.6 MHz or FCC/IC 902 - 928 MHz  
RF Power: ERP +28 dBm (630mW)  
Nominal reading distance: 4 m  
Typical reading speed: 200 tags per second  
Software controlled antenna polarization; Horizontal, vertical or cross-polarized

NORDIC ID MEDEA  
UHF RFID

Supported standard: ISO 18000-63 (EPC Class 1 Gen2 V2)  
Frequency ETSI 865.6 - 867.6 MHz or FCC/IC 902 - 928 MHz  
RF Power: ERP +20 dBm (100mW)  
Nominal reading distance: 1 m (0,7m with 2D imager)  
Typical reading speed: 200 tags per second

## BARCODE IDENTIFICATION

1D laser scanner

All major 1D barcodes  
Adaptive Auto-Range Laser (standard-, long- and auto-range)  
Normal, hold to aim and hold down modes  
Enhanced aiming mode (automatic switching between scan line / aiming dot)  
Configurable scan alert sounds

## PRODUCT HIGHLIGHTS

- Large and robust daylight readable 4.3" touchscreen
- High processing capability
- Operates a full working day with only one charge
- Several connectivity options

## PREINSTALLED APPLICATIONS

### MICROSOFT APPLICATIONS:

- Internet Explorer web browser
- Wordpad

### NORDIC ID APPLICATIONS:

- Registry backup
- IP config
- NID Menu
- NIDA

### CONTROL PANEL APPLET:

- NID Autostart: automatic start of application after network connection is established
- NID Backlight: backlight brightness
- NID Indicators: battery level and signal level indicators
- NID Keypad: keyboard mapping
- NID LinkWatchdog: connection monitoring
- NID Menu: application manager

2D imager	All major 1D and 2D codes High visibility LED aimer 2 character pre and post fixes, padding, replacement Video preview Configurable scan alert sounds
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## PLATFORM

CPU	ARM Cortex-A8 1 GHz
Operating system	Microsoft® Windows® Embedded Compact 7
Memory	512 MB LPDDR2 RAM 4 GB Flash

## USER INTERFACE

Display	4,3" WVGA capacitive touch screen, 800 x 480 pixels, 262k colors Adjustable LED backlight, Daylight readable (Blanview), Gorilla glass 2
Keypad	7/6* configurable buttons: 3/2* x scan, ok, del, menu and power
Signals and indicators	Speaker for audible signals and Haptic vibra

## CONNECTIVITY

Wireless WAN	3G UMTS / HSDPA (900/2100 MHz) GPRS / EDGE (900/1800 MHz) (optional)
GPS	Assisted GPS (optional)
Wireless LAN	IEEE 802.11 a/b/g/n
WLAN security	Standards: WEP, WPA, WPA2 (802.11i) Encryption: WEP, TKIP, AES
Wireless PAN	Bluetooth 2.0 + EDR, Class 2
LAN	Ethernet 10/100 via charger (optional)
PAN	USB via device and charger

## POWER

Battery	Rechargeable, removable Lithium-Ion battery 3500/7000* mAh, 3.7V Up to 10/16* h in intensive use
Charging	Charging over cradle (0 to 100%) 3/6* h Charging over USB connector (0 to 100%) 5-10/10-20* h
External power supply	AC adapter for desktop charger: input 100-240 VAC, 1A, 50-60 Hz / output 5,2VDC, 3A, 15 W / Power adapter for EU, UK or US
Backup battery / batteries	Back-up battery for real-time clock: keeps time for 200 days

## SIZE AND WEIGHT

Dimensions	Nordic ID Medea UHF RFID Adaptive Cross Dipole One-series (H) 196 x (W) 83/91 x (D) 21/135 mm Nordic ID Medea UHF RFID Cross Dipole (H) 158 x (W) 83/100 x (D) 21/45 mm Nordic ID Medea Barcode Pistol Grip (H) 158 x (W) 83 x (D) 21/135 mm Nordic ID Medea UHF RFID & Barcode (H) 158 x (W) 83 x (D) 21 mm
Weight	Nordic ID Medea UHF RFID Adaptive Cross Dipole One-series ~ 550 g Nordic ID Medea UHF RFID Cross Dipole ~ 420 g Nordic ID Medea Barcode Pistol Grip ~ 465 g Nordic ID Medea UHF RFID & Barcode ~ 320 g

## DROP AND SHOCK

Drop and impact resistance	1.5/1.2* m
ESD	Contacts +/- 4kVdc Air discharge +/- 8kVdc

## ENVIRONMENT

Temperature	Operating -20° to +55° C Storage -20° to +60° C Charging 0° to +45° C
Relative humidity	10% to 95% non-condensing
Environmental sealing	IP54 - dust and water splash protected*

\* Concerns only the Nordic ID Medea UHF RFID Adaptive Cross Dipole One-series and Nordic ID Medea Barcode Pistol Grip variants.

All information is subject to change without prior notice.

- NID Powerbutton: power button mapping
- NID Scanner: barcode type settings
- NID SNTP Service: network time synchronisation
- NID Touch screen: disable/enable
- NID WWAN settings

## OPTIONAL APPLICATIONS

- Naurtech CETerm: terminal emulation client
- Naurtech SAP browser

## SOFTWARE DEVELOPMENT ENVIRONMENT

### FOR ALL DEVELOPERS:

- Microsoft Visual Studio 2008
- Nordic ID MHL hardware abstraction layer
- Nordic ID UHF RFID API
- Nordic ID Sample applications and source code
- Nordic ID Customizer

### FOR .NET (C#, VB ETC)

- .NET Compact Framework 2.0 and 3.5
- MHL API wrapper for .NET
- NUR API .NET
- OpenNETCF – Smart Device Framework

### FOR C++

- NUR API
- MHL API

### FOR HTML

- Nordic ID Sample applications

## ENVIRONMENT

- Free support during and after 2 year warranty time
- Maintenance service and extended maintenance contract
- Software customization and development support
- Technology, product and integration training
- Technology and project consultation
- Project management services

