

## nordicidmedea

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 VERSIONS

#### 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



LASER  
or  
2D  
IMAGER

3G  
UMTS / HSDPA  
900/2100 MHz

GPS  
Assisted GPS

WLAN  
802.11 a/b/g/n  
WPA2

BLUETOOTH  
2.0  
+ EDR Class 2

WINDOWS  
Embedded  
Compact 7

### RFID IDENTIFICATION

NORDIC ID MEDEA  
UHF RFID Adaptive Cross  
Dipole One-series

Supported standard: ISO 18000-6C (EPC Class 1 Gen 2)  
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 18000-6C (EPC Class 1 Gen 2)  
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 18000-6C (EPC Class 1 Gen 2)  
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

### ACCESSORIES

- Desktop charging cradle with USB or Ethernet
- Connection including power supply (EU, UK, US)

### PREINSTALLED APPLICATIONS

- MICROSOFT APPLICATIONS:
- Internet Explorer web browser
  - Wordpad

### NORDIC ID APPLICATIONS:

- Registry backup
- IP config
- NID Menu
- NIDA

### CONTROL PANEL APPLETS:

- NID Autostart: automatic start of application after network connection is established
- NID Backlight: backlight brightness

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	
<b>PLATFORM</b>		
CPU	ARM Cortex-A8 1 GHz	
Operating system	Microsoft® Windows® Embedded Compact 7	
Memory	512 MB LPDDR2 RAM 4 GB Flash	
<b>USER INTERFACE</b>		
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	
<b>CONNECTIVITY</b>		
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	
<b>POWER</b>		
Battery	Rechargeable, removable Lithium-Ion battery pack 3500/7000* mAh, 3.7V Up to 10/16* h in intensive use (standard battery)	
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 5,2 VDC, 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	
<b>SIZE AND WEIGHT</b>		
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 UHF RFID & Barcode (H) 158 x (W) 83 x & (D) 21 mm	
Weight	Nordic ID Medea UHF RFID Adaptive Cross Dipole One-series ~ 650 g Nordic ID Medea UHF RFID Cross Dipole ~ 420 g Nordic ID Medea UHF RFID & Barcode ~ 320 g	
<b>DROP AND SHOCK</b>		
Drop and impact resistance	1.5/1.2* m	
ESD	Contacts	+/- 4kVdc
	Air discharge	+/- 8kVdc
<b>ENVIRONMENT</b>		
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*	

- NID Indicators: battery level and signal level indicators
- NID Keypad: keyboard mapping
- NID LinkWatchdog: connection monitoring
- NID Menu: application manager
- 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:
- 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)

- Microsoft Visual Studio 2008
- .NET Compact Framework 2.0 and 3.5
- Nordic ID SDK
- MHL API wrapper for .NET
- OpenNETCF – Smart Device Framework

#### FOR C++

- Nordic ID SDK
- 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

\* Concerns only the Nordic ID Medea UHF RFID Adaptive Cross Dipole One-series variant.



All information is subject to change without prior notice.

#### 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

#### 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