

## NORDIC ID MEDEA

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)  
AES authentication in accordance with ISO/IEC 29167-10 supported  
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)  
AES authentication in accordance with ISO/IEC 29167-10 supported  
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)  
AES authentication in accordance with ISO/IEC 29167-10 supported  
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
- NID Powerbutton: power button mapping
- NID Scanner: barcode type settings
- NID SNTP Service: network time synchronisation
- NID Touch screen: disable/enable
- NID WWAN settings

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 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 5,2 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 / (H) 7.7 x (W) 3.3/3.6 x (D) 0.8/5.3 inch Nordic ID Medea UHF RFID Cross Dipole (H) 158 x (W) 83/100 x (D) 21/45 mm / (H) 6.2 x (W) 3.3/3.9 x (D) 0.8/1.8 inch 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 / 19 oz Nordic ID Medea UHF RFID Cross Dipole ~ 420 g / 15 oz Nordic ID Medea Barcode Pistol Grip ~ 465 g Nordic ID Medea UHF RFID & Barcode ~ 320 g		
<b>DROP AND SHOCK</b>			
Drop and impact resistance	1.5/1.2* m / 4/3* ft		
ESD	Contacts	+/- 4kVdc	
	Air discharge	+/- 8kVdc	
<b>ENVIRONMENT</b>			
Temperature	Operating	-20° to +55 °C	-4 to +131 °F
	Storage	-20° to +60 °C	-4 to +140 °F
	Charging	0° to +45 °C	+32 to +113 °F
Relative humidity	10% to 95% non-condensing		

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

All information is subject to change without prior notice. Availability of product variants may vary regionally.

