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 barcode-only reading, short-range UHF RFID reading or heavy-duty UHF RFID inventory.

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 APPLETS
• 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

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

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
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

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
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

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 / (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

DROP AND SHOCK
Drop and impact resistance
1.5/1.2* m / 4/3* ft
ESD
Contacts
+/- 4kVdc
Air discharge
+/- 8kVdc

ENVIRONMENT
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

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