

## NephSystem N260 Ultra-Rugged PDA



www.nephsystem.com

### Overview:

NephSystem N260 industrial graded and Rugged PDA is an ultra rugged and compact handheld computer terminal with a powerful 1GHz core based CPU and Microsoft Windows Mobile 6.5 Operating System. With its highly durable and rugged design, N260 can withstand drops from 1.8 meters (five feet) to polished concrete as well as with its features of dust and water resistant (IP65 rating), N260 creates the most performance and reliability to most applications such as Asset Tracking, Livestock Tracking, Warehousing and Manufacturing, Shop Floor, Healthcare, etc.

The N260 incorporates a 3.5" trans-reflective LCD with touch screen, keypad, Wi-Fi and Bluetooth communication capability. Optional peripherals, such as GPS, GSM Quad-band 850/900/1800/1900MHz, GPRS, EDGE/WCDMA 850/900/1900/2100MHz HSDPA, Low Frequency of 125KHz RFID component, Low Frequency of 134.2KHz HDX and FDX RFID component, High Frequency of 13.56MHz RFID component, 860~960MHz UHF Gen 2 RFID module, printer, camera are also available. NephSystem N260 and its peripherals are smart handheld devices that boast enhanced wireless communication and data capture functionalities.

### Main Features:

- IP65 rated and Ultra-Rugged Design
- High Definition 3.5" TFT LCD
- Windows Mobile 6.5 based Operating System
- Built-in Wi-Fi (IEEE 802.11b/g compliant)
- Built-in Blue tooth (2.1)
- Optional high performance 2D Barcode scanner
- Optional GPS
- Optional GSM/GPRS/EDGE/HSDPA
- Optional Colorful 5.0 Mega Pixel Camera
- Optional 125KHz Low Frequency RFID capability
- Optional 134.2KHz ISO/IEC 11784/5 HDX and FDX dual Mode Low Frequency RFID capability
- Optional 13.56MHz High Frequency RFID capability
- Optional 860~960MHz UHF Gen 2 RFID with RSSI capability
- Optional Printer
- Free SDK provided including .NET (VB/C#) sample codes



**NephSystem Technologies**

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## NephSystem N260 Rugged PDA



### Specifications:

|   |  |                                 |
|---|--|---------------------------------|
| <b>Processor</b>                                    | TI3715 A8 1GHz   |                                 |
| <b>Operating System</b>                             | Windows Mobile 6.5   |                                 |
| <b>Memory</b>                                       | 512MB DDR RAM; 512MB Flash ROM   |                                 |
| <b>Display</b>                                      | 3.5 inch colour high definition QVGA display   |                                 |
| <b>Wireless</b>                                     | Built-in WLAN 802.11b/g<br>Built-in Blue tooth class 2.1<br>Optional GSM /GPRS/CDMA/EDGE/HSDPA<br>Optional GPS |                                 |
| <b>Optional 125KHz RFID</b>                         | EM compatible 64 bits, ASK Manchester coding   |                                 |
| <b>Optional 134.2KHz RFID</b>                       | ISO/IEC 11784/5 FDX and HDX  |                                 |
| <b>Optional 13.56MHz RFID</b>                       | ISO14443A/B Mifare, Ultralight, ISO 15693, I-code SLI, etc.  |                                 |
| <b>Optional EPC Class 1 Gen 2, ISO18000-6C RFID</b> | Frequency  | 860~960MHz; Software Adjustable |
|   | Output Power   | Max. 30dBm                      |
|   | Antenna Gain   | 3dBi                            |
|   | Antenna Polarization   | Circular                        |
|   | Reading Distance   | Up to 4 meters (tags dependent) |
| <b>Optional Thermal Printer</b>                     | Direct thermal line printing   |                                 |
| <b>Audio</b>  | Built-in Speaker   |                                 |
| <b>Main Battery</b>                                 | Rechargeable Li-Polymer Smart Battery (3.7V, 4500 mAh)   |                                 |
| <b>IP Rating</b>                                    | IP65 (five feet drop to concrete) ; Dust/Water resistant   |                                 |
| <b>Dimension &amp; Weight</b>                       | 175*78*27 (mm) / 420g (battery included)   |                                 |
| <b>Environment</b>                                  | Operating Temperature : -20°C to +60°C<br>Storage Temperature : -40°C to +70°C                                 |                                 |
| <b>Certificates</b>                                 | CE, RoHS, FCC, cUL/UL  |                                 |

