



Overview:

The NephSystem new N310 Bluetooth featured UHF Gen 2 RFID (860MHz ~ 960 MHz) handheld device provides a smart combination of Bluetooth Interfaces and touch-less RFID technology. Dedicated for users who are looking for handheld and wireless devices to integrate the RFID technology into their existing systems. N310 is able to be powered by its internal Li battery or by a desktop/notebook PC via USB connection or any regular 5VDC power supplies. Its built-in Bluetooth capability supports for being wirelessly paired with most of Bluetooth enabled platforms via the wireless Bluetooth interface for data transferring between. N310 is ideal for the mobile workforce to track and monitor mobile assets and is readily integrated with a wide variety of Wireless handheld devices such as Windows Mobile/CE based PDAs, Smart Phones, Android Devices, etc.

N310 is available at varied modes that allow users to scan/store/upload tags easily. By using the off-line mode, N310 could be just used as a data logger, scanned RFID data could be stored firstly onto its internal memory (maximum 100 groups of data) then uploaded to a host PC later on. While the on-line mode will put the N310 into a direct/real time working status (via Bluetooth connection) that suits the need of transferring data in a real time scenario from users.

Featured with its thumb sized dimension, N310 is the one of smallest and stand-alone UHF EPC Gen 2 RFID devices in the world.

Main Features:

- ❖ True-color of 1" OLED screen
- ❖ Full Read/Write capability for UHF Gen 2 tags
- ❖ Compact & Handheld design
- ❖ Software selectable of push button or automatic scan
- ❖ Keyboard Emulation or Wedge feature on the testing software allows to transfer data between N310 and an host via Bluetooth
- ❖ Free SDK is coming with product, including ready-to-use and user friendly testing software, .NET sample codes, Android SDK, etc.



Specifications:

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| Communication Interface | Bluetooth 2.0 (or above version) Class 2 |
| Buzzer Display | Built-in buzzer True Color 1" OLED Screen |
| Frequency | Software adjustable 860MHz ~ 960 MHz |
| Antenna | Built-in 2dBi |
| Transmit Power | 0 ~ 20dBm (Software adjustable) |
| Transponder Compatibility | EPC UHF Gen 2, EPC C1G2, ISO18000-6C |
| Reading Distance | Up to 40cm - tags dependent |
| Scan Mode | Push button and automatic |
| Housing | ABS |
| Power Supply | Rechargeable Li battery |
| Operating Storage Temperature | -10°C to 60°C -20°C to 75°C |
| Size and Weight | Approx. 88mm (L) x 39mm (W) x 16mm (H) 25g |