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NT-9800

Wireless Laser Barcode Data Terminal

Product Main Features:

◆ NT-9800 is a wireless handheld laser barcode terminal which collects data and transmits the real-time data wirelessly. NT-9800 adopts 433MHz wireless technology to transmit the collected data to the wireless base station with maximum distance of up to 100meters. It adopts fast-speed laser scanning engine for data collection in better depth of field and 32-bit ARM CPU for accurate decoding, which is 10 times quicker than normal laser barcode scanner.

◆ When there is a temporary breakdown of wireless signal, the terminal allows temporary automatic data saving in the buffer memory, which can save up to 200 data. The saved data are automatically transmitted after recovery of wireless signal.

◆ NT-9800 can also scan and save first, then transmit all collected data (up to 100,000 barcode) to the base station wirelessly. The other mode is for inventory-taking which transmits barcode and quantity data to local data system.

◆ NT-9800 is with user-friendly keyboard and backlight LCD screen for easy operation and menu browsing. It also allows hand input for damaged or blurred barcode.

Product Highlights:

◆ The terminal adopts emulation keyboard, allowing direct data transmission to computer.

◆ The wireless base station is with built-in driver and allows direct communication with the computer via USB. It's a plug and play device. No extra driver is required.

◆ Six months standby time and 50-100 hours Continuous operating time.

◆ Support both online real-time barcode data transmission and offline barcode collection (collect and save on the terminal first), without distance limitation.

◆ Save up to 30,000 barcode data in offline working mode and auto save up to 200 barcode data in online wireless transmission working mode during temporary breakdown of wireless signal. The wireless base station is connected with computer via USB. It's a plug and play device, no driver is required.

◆ Provide real-time data protection. No data will be lost when powering off the terminal. When the terminal is powered on, the LCD screen automatically resumes to the last display before last powering off.

◆ The user can use common file formats such as EXCEL or TXT to receive the data easily in the computer..
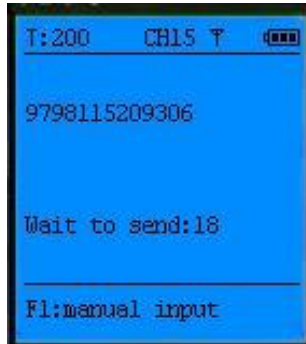
Main Functions:

NT-9800 can work in 3 basic modes:

◆ Wireless Real-time Barcode Data Scanner

◆ Offline Barcode Data Scanner

◆ Inventory-taking Data Collector

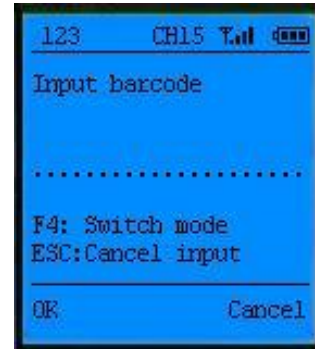## 1) Wireless Real-time Barcode Scanner Data Scanner

In this mode, the terminal works as a portable laser scanner and collect the barcode data while at the same time transmit the data wirelessly to the wireless base station which is connected with the computer via USB data cable.

Instant Transmission	Auto Data Saving During Temporary Signal Breakdown	Hand Input for Blurred Barcode

Usually, after being scanned, the barcode data is automatically and immediately transmitted to the wireless base station and computer. The number of "Wait to send" displays as "0", it means that all collected data have been transmitted. The base station uploads the received data to the computer instantly.

The top of the terminal's LCD screen displays useful information like the quantity of already scanned barcodes, channel number, signal strength and remaining battery.

2) Offline Barcode Data Scanner

This mode works as offline barcode collector. If there is no need of real time online data transmission, the user can choose to operate the terminal in this mode. The collected data will be saved in the terminal first and can be transmitted to the base station and computer in one lot after collection of all barcode data.
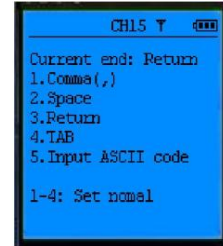
Barcode Capture	**Menu Options**	**Dealing with repeated Barcode**	**Set middle/end separator**

In offline mode, the terminal can save up to 100,000pcs of barcode data.

3) Inventory-taking Data Collector

The inventory mode collects barcodes and their quantity. It supports both automatic accumulated quantity and hand input quantity. The user can view and check the collected barcodes and their quantity conveniently on the LCD screen.
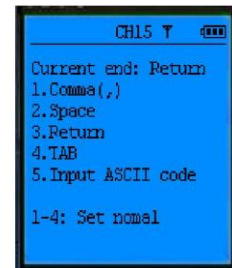
Inventory Menu	**Scanning Interface**	**Browse Barcodes Freely**	**Data Management**

The inventory mode can save up to 100,000pcs barcode data. It works offline while collecting data. The saved inventory data can be transmitted to the base station and computer in one lot after collection of all barcode data.

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Technical Data

CPU	32-bit high-speed ARM
Flash memory	8MB
Power supply	1) 2pcs AA dry batteries or rechargeable NiMH batteries (best 1600-2400mah NiMH Battery) 2）Supporting USB charging for rechargeable NiMH batteries. 3）With remaining power indicator on LCD display.
Screen display	128x128 FSTN LCD screen, supporting 16-row and 20-line character display
Backlight	Blue highlighted LED
Terminal size & weight	166 x 29 x 31 mm, about 150 grams
Keyboard	Standard high quality silicon 26-key keyboard
Standby time	More than six months (starting from 100% remaining power). Power consumption is lower than most similar devices on the market.
Data protection	Data will be saved automatically and will not get lost when the terminal is powered off. The user can switch on/off the terminal freely without damaging the data. After switching on, the screen resumes to the display before last switching off.
Power saving mode	Support automatic powering off when not in use.
Wireless transmission	1）Frequency: 433MHz. Two-way transmission. 2）Maximum wireless transmitting power: +10dB. 3）Wireless receiving sensitivity: -102dB. 4）CRC verification to ensure stable wireless transmission. 5）With wireless signal strength indicator on the LCD display. 6）USB connection with computer.
Scanning depth of field	1 - 80cm
Scanning frequency	150 times / second
Light source	650nm red laser
Barcode scan width	Adjustable up to 20cm
Decoding capability	EAN13, EAN8, 39 code, 93 code, 128 code, interleave 25 codes (IT25), Codabar, UPCA, UPCE, and etc.
Anti-dropping	Height: no more than 1.2 meters