



8510

Desktop EFT-POS

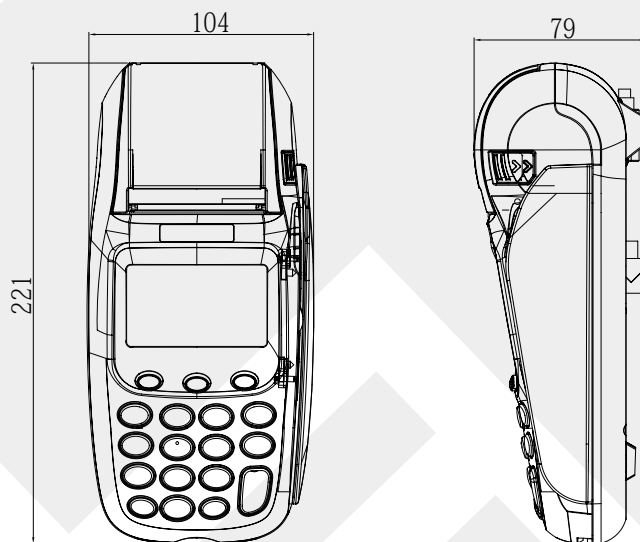


The 8510 is the desktop thermal POS product of Newland. It has an innovative design, superior performance and is compact and lightweight. The high speed modem and thermal printer are build-in. Supports GPRS/CDMA, Ethernet and RF-Card. Fully functional for any kind of Bank Card (magcard or IC card) electronic transfers, it is the best choice of financial network of electronic payment POS.

Product Features

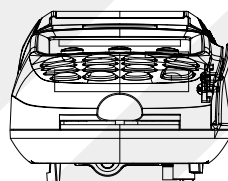
- **Product security**
Passed the EMV LEVEL I/II qualification authentication and PBOC 2.0 LEVEL I/II TEST, meet the demands of PCI
- **Multi application support**
Large edit space; can download more than ten difference kinds of software.
- **High reading card efficiency**
Curve through and deft design. High efficiency reading 1, 2, 3 magnetic tracks.
- **High speed printer**
High speed thermal printer, no paper jam and easy to reload the paper.
- **High speed MODEM**
High speed dial-up connection and data transmission.
- **Advanced application platform**
Proprietary software and hardware application platform, maintaining Quality Stability and multi application platform support.

Dimensions (mm)



Models

Config. Model	RS232	GPRS	CDMA	Ethernet	Modem
NL-8510	√				√
NL-8510ETH	√			√	√
NL-8510G	√	√			√
NL-8510C	√		√		√



CPU		32 bit ARM7 RISC Chip
Memory	RAM	512KB, Up to 1MB
	Flash	6MB, Up to 64MB
RTC		Displays year, month, date, hour, minute, second
Display		128 x 64 pixel graphic LCD display with LED backlight
Keyboard		12 Alphanumeric keys, 6 Functional keys, 1 Power key
Magnetic Card Reader		Track 1/2/3, Bi-directional swipe, ISO 7810/7811/7812 compatible
IC Reader		One IC card slot. ISO7816 compatible, EMV2000 approved
PSAM Slot		2 Secure Access Module reader, ISO7816 compatible
Communication		RS232 serial port: serial transfer rate is 1200-115200bps; the parameter of communication can set by the user; Base transfer rate is 57600bps Wire Modem: can install in POS or base, synchronization is 1200BPS, asynchronism is 1200/2400BPS Wireless modem (option): built-in wireless modem, support GPRS and CDMA. Infrared: Between POS and base, transfer rate 57600bps
Security		DES/3DES encryption, Built-in Security Module ESAM, ANSI X9.9, ANSI X9.8, Master/Session and DUKPT Key management
Print	Printer	Thermal graphic printer, 18 lines/sec,
	Paper	Standard 58MM scroll (diameter 50mm)
Power Adapter		Input: 100VAC-240VAC, 50Hz/60Hz/ Output: 9VDC, 4A
Environment	Operating	Temperature -10°C - +50°C, Relative Humidity 5% ~ 95% (non-condensing)
	Storage	Temperature -25°C - +55°C, Relative Humidity 5% ~ 95% (non-condensing)
Application Development	OS Supported	WIN9X/ME/XP/2000
	Platform	ARM SDT 2.50
	Language	ANSI C Environment and Interfaces
	Programmer Guide	SDK available
Dimensions		200mm * 105mm * 80mm
Weight		600g (No include the paper scroll)
Dropping Test		1.2 Meters on concrete surface, Satisfy GB/T-9813-2000
MTBF		6000 hours
Certificates		CCC, EMV2000 Level I & II certified, PBOC2.0 approved