

# CL-B0511B Portable POS

## Specification

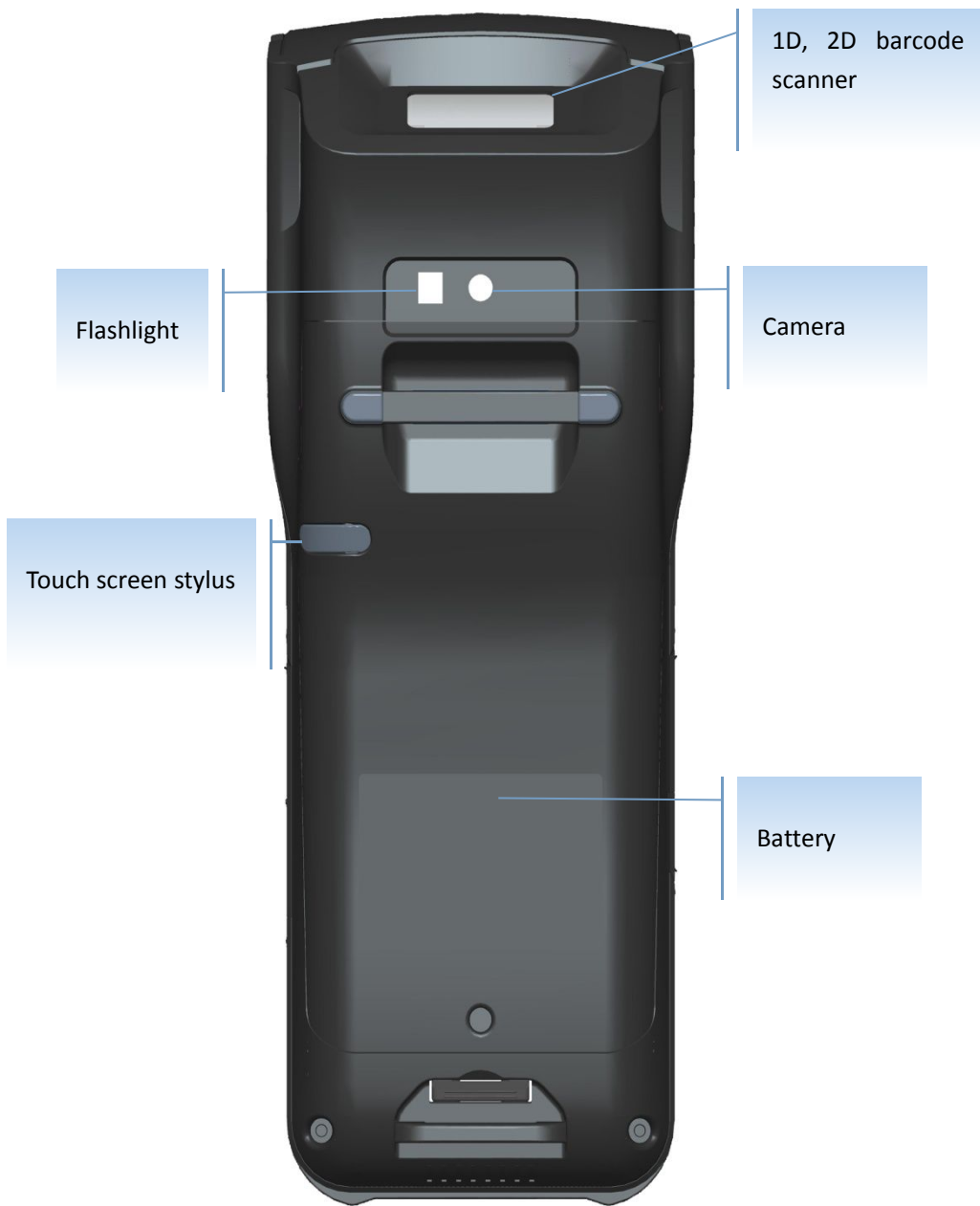


Shenzhen Cardlan Science & Technology Co., Ltd.

# 1.External View



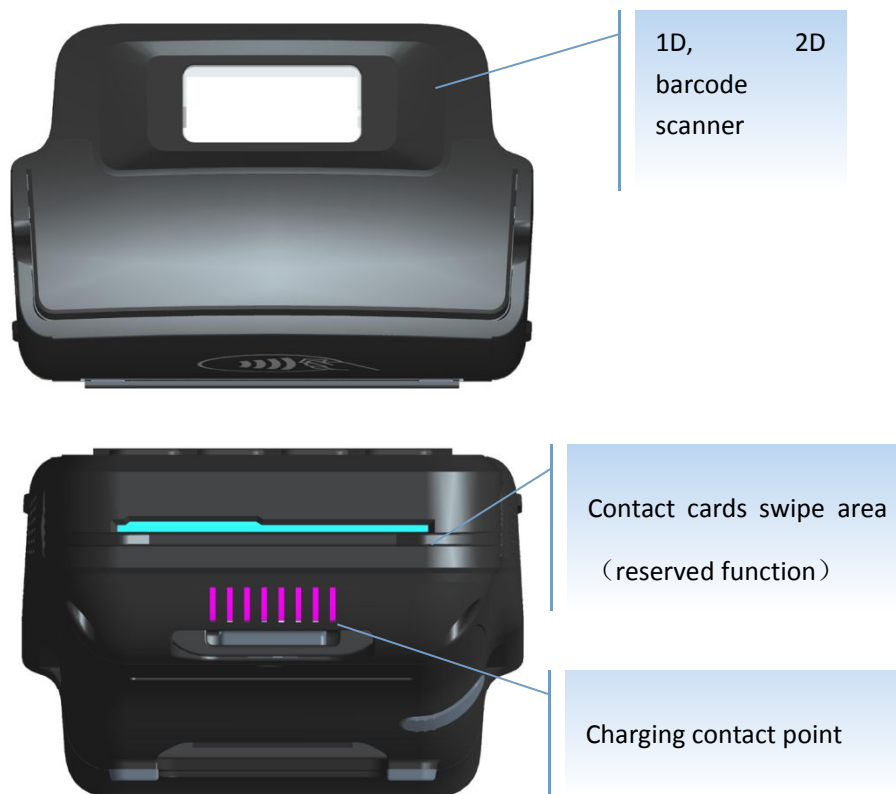
Picture 1. CL-B0511B Portable POS Front View



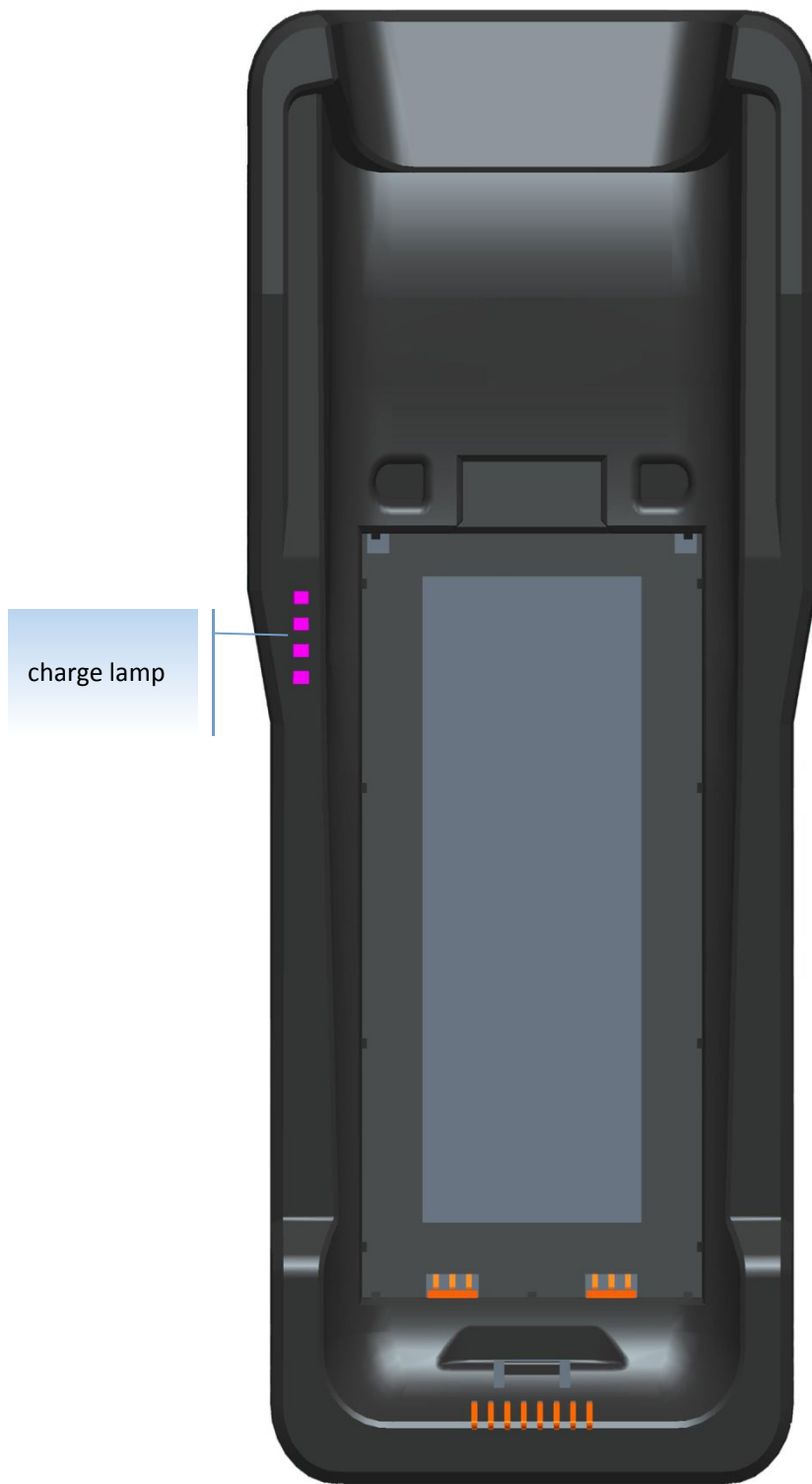
Picture 2. CL-B0511B Portable POS Back View



Picture 3 CL-B0511B Portable POS Side View



Picture 4 CL-B0511B Portable POS Top and Bottom View



Picture 5 CL-B0511B Portable POS Recharge Stand



Picture 6 CL-B0511B Portable POS and recharge stand

## 2. Main function

Wireless Communication (3G、GPRS、CDMA、WIFI、Bluetooth)、Positioning (Beidou navigation、GPS)、IC card reading (contact and contactless IC card)、E-payment、Barcode (1D、2D)、Camera、Thermal printer。

## 3. Features

- High reliability and security: high and low temperature resistant, dampproof, impact resistant (drop test), salt-fog proof.
- Support vehicle license plate recognition ;
- Support wireless communication, real time time-revision, blacklist download, data collection

- Support union pay card, PBOC3.0 union pay card compatible。
- Query consumption details, query according to card No., time, operator No. etc.
- Query consumption statistics, query according to card No., time, operator No. etc.

## 4. Technical parameters

Name:	Portable POS ( Fifth generation )
Model:	CL-B0511B
<b>Software Platform:</b>	
Operating system:	Linux2.6.38
Compiler:	GCC-4.5.1
QT	QT Extended4.4.3
<b>Hardware specifications:</b>	
CPU:	ARM1176JZF-S
Frequency:	St: 533MHZ, Max: 800MHZ
Memory:	DDR2: 256Mbyte
HD:	256MByte
TF-card:	Micro TF card, Max 32GB
USB:	Micro AB / support USB OTG
RTC:	Support
Graphic	Hardware 2D、3Dgraphic acceleration
LCD:	3.5inch TFT-LCD320*240(RGB)
TP:	4-wire resistance-type



Loudspeaker:	8OHM/1W buzzer	
Camera:	3Megapixel	
Phone Jack:	international standard 4 pin, support voice and earphone	
Key:	USB key, hardware logic keys	
<b>Supporting card</b>		
Read card	Contact	ISO 7816-3compatible (reserved); one SIM card, 4 PSAM 卡
	Contactless	ISO/IEC14443 A/B layer compatible
<b>voice function (reserved)</b>		
voice	input	Only through ear phone
	output	GSM, only support ear phone
<b>scanning: scanning and camera only choose one</b>		
scanning:	1D, 2D barcode scanning	
<b>camera: scanning and camera only choose one</b>		
camera:	Support 3Megapixel	
<b>Positioning</b>		
Positioning:	Beidou 2	Optional
	GPS	
<b>Wireless communication</b>		
Bluetooth	BT 2.1	default
	Bluetooth 4.0 BLE	optional
WIFI	IEC802.11 B/G/N	default
	IEC802.11 A/B/G/N	optional
GPRS	Data, SMS、Voice	default

CDMA	Data, SMS、Voice	optional
3G	Data, SMS、Voice	optional
<b>Power supply</b>		
Working voltage:	DC: 9V 2A/3A	
Battery supply:	Removable , 7.4v@3800mA/polymer lithium battery ; Wide temperature battery	
<b>Power consumption:</b>		
Power consumption::	48H ( Standard environment and configuration / theoretical value )  Power off: 8uW	
<b>Working environment</b>		
Working	-25℃~75℃	
Storage	-40℃~85℃	
Working Humidity:	0-90% ( non-condensing )	
<b>physical parameter</b>		
Dimension:	218.2*87.8*61.6mm	
Housing material:	engineering plastics, TPU	
<b>LCD display</b>		
display:	3.5" TFT LCD 320*240 (RGB)	
Pilot lamp:	LED Pilot lamp	
<b>Key function</b>		
Key:	23-key keyboard	

<b>Sound prompt</b>	
sound:	buzzer、loudspeaker
<b>RFID</b>	
standard:	ISO-14443 Type A/B
Reading distance:	0~50mm
Working frequency:	13.56Mhz
Card capacity:	91880000
Card type:	Mifare 1 card, CPU, Union pay IC card
<b>Interface</b>	
Communication interface:	USB
<b>Printing function</b>	
printing module:	Built-in thermal printer
Receipt width:	58mm
<b>Working pattern</b>	
Working pattern:	Stand alone or network
<b>Alarm</b>	
Alarm	Insufficient balance or data is full
<b>Data collection</b>	
Wireless data collection	WIFI、Bluetooth、GPRS、CDMA、3G
Cable data collection	USB cable data collection