
		ShenZhen Lean Kiosk Systems Co.,Ltd Version/Edition	DOC NO.	LKS-SC-QWI-012
Model	LKS8500 Series		Version/ Edition	A/3
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Specification for Tigapo Cards vending machine self-service terminal



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This product is a multifunctional self-service terminal for self-service payment and self-service card. This paper expounds the specifications and instructions of this equipment in detail.


Version number	Revision time	Version content	Author	Confirmator
	December 11, 2021	Initial revision	Huang Wuhui	

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1. Product overview

1.1 Product Profile

This product is a self-service payment and settlement multifunctional card issuing self-service terminal, which is a new type of human-computer interaction equipment with convenient use. The terminal equipment integrates the advantages of touch control, industrial computer, multimedia advertisement design, network, industrial design, structural innovation, etc. It can quickly complete information inquiry and video playing, and truly achieve simple human-computer interaction.

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1.2 Functional characteristics

A: The front user interface of 32-inch HD display screen, capacitive touch screen supports 10-point touch technology, 5 milliseconds fast response, accuracy and stability.

B: Support Android multimedia advertisement display on the same screen.

C: Multi-system compatibility of products: Android operating system of industrial computer, touch display screen, code scanning payment, network information inquiry, receipt printing, face brushing payment, credit card and bank card payment, etc.


D: Brand-new sheet metal structure design, corrosion-resistant and oxidation-resistant painting process, with good dustproof effect.

E: Each machine has been tested by aging, static electricity, vibration, touch and click, etc., to ensure more stable quality.

2. Technical parameters

3. 2.1 System Design

Touch display advertisement screen	Man-machine interaction displays the operation interface.
Industrial control integrated machine	Main control computer, information input and output, information exchange main control computer.
Camera	There are two cameras, one for taking pictures of operators and the other for taking pictures of team operation platform.
All-in-one self-service credit card payment module	Support users to pay by credit card and UnionPay card.
NFC card reader	Support non-credit card and membership card payment.

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Power supply module	AC110-240V DC 12V DC 24V Switching Power Supply Module.
Banknote receiving module	Support users to pay in cash.
Card issuing machine	Users handle consumption cards and membership cards by themselves.
Structural design	Humanized anti-corrosion sheet metal painting design of appearance structure.

2.2 Parameters of product electrical module


32-inch LCD panel module	Resolution: 1920*1080, 16: 9, operating temperature 0 °C ~ 60 °C, wide viewing angle, low power consumption: 20W backlight MTBF: 100,000 hours.
32-inch custom capacitive screen	32 inches, surface hardness 6h, 500G steel ball 2m unbreakable, haze below 5%, transmittance above 90%.
Industrial control host	RK3399 quad-core, maximum frequency 1.8 GHz. Flash memory: PDDR4 4GB. Storage: 16GB EMMC NAND chip. LVDS and HDMI dual-screen display. Android 7.1 system.
Camera	C930C/camera can be fine-tuned up, down, left and right 20 degrees
All-in-one self-service credit card payment module	UnionPay payment card reader.
NFC card reader	RFID reader.
Power supply module	Ming Wei Switching Power Supply Module AC 100-240V DC12V DC24V
Banknote receiving module	Banknote recognizer, MEI SCNL 8328R (support US \$, denominations 1.5. 10.20, 50, 100, 200,)
Card issuing machine	Creating spontaneous card device CRT-571
Wireless communication	Wireless WIFI Bluetooth 4G communication (domain LTE module).
Mingwei switching power supply	AC220V, DC12V 24V. 3C certification.

2.3 Electrical Performance

Input voltage	AC 100-240V 50/60 Hz 5A
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2.4 Working Environment

Operating temperature	-30 °C-50 °C
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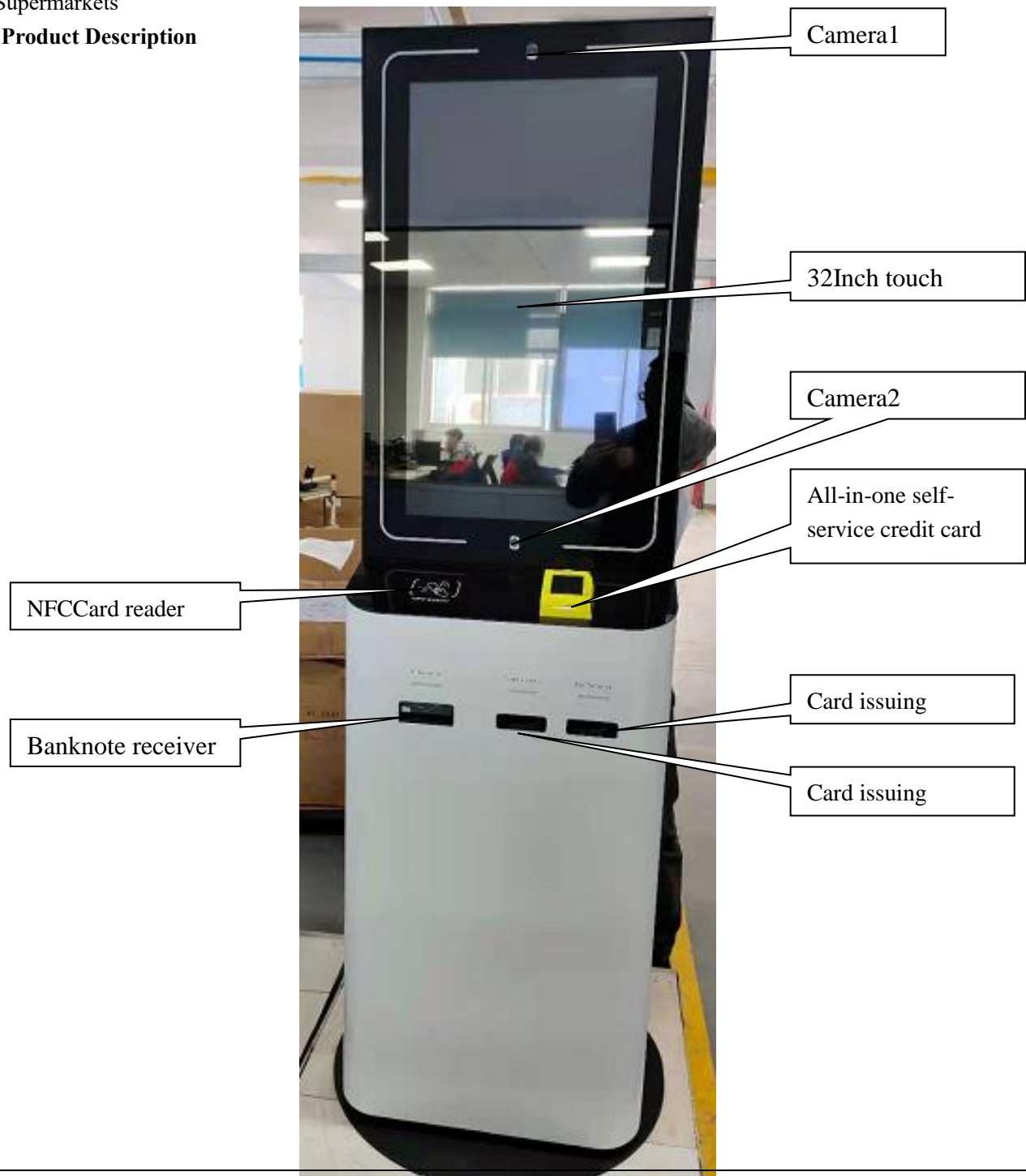
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Working humidity	0%-90%
Storage temperature	-10 °C-60 °C
Storage humidity	0%-65%

2.5 Usage Scenarios

- A. Playground
- B. Large shopping malls
- C. Supermarkets

2.6 Product Description



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Rear door lock


Fan cooling

Wireless signal

ACPower socket

Network port


Cabinet base

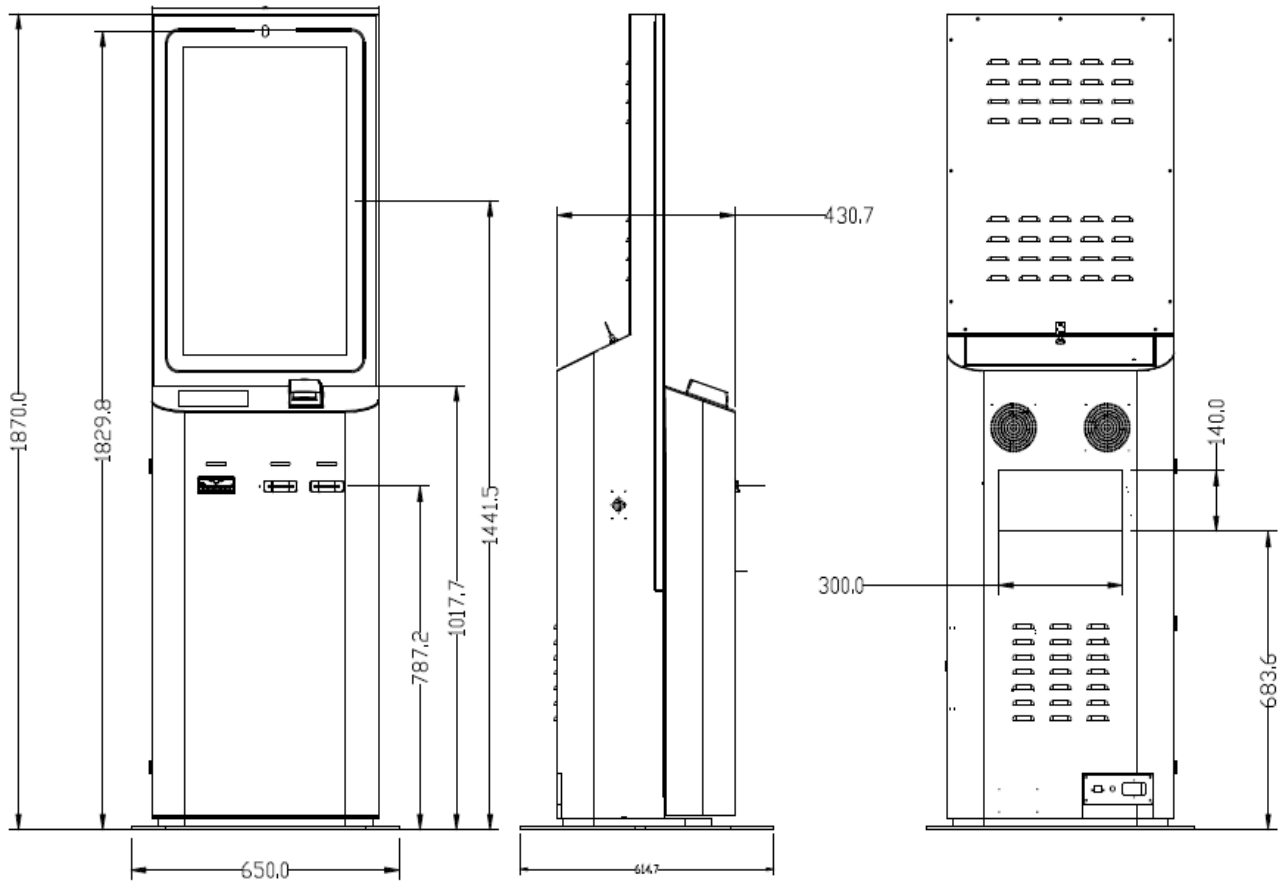
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2.7 Dimension drawing of the whole machine



2.8 Dimension Line Drawing of the Whole Machine

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FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.