Device User Guide

LANDI

Device Model: C20Lite

Device Name: POS Terminal

Fujian LANDI
Commercial Equipment Co.,Ltd

Contents

Disclaimer 3
Environmental Tips 4
Abbreviation Correspondence Chart 5

1、Overview 6
Security Guarantee 6
Configuration of Terminal Series 8
Terminal working Environment 8

2、Appearance and Interface 9

3、Technical Features、Size and Weight 11
Technical Features 11

4、Unboxing Inspection 12

5、Installation Guide 12
Installation Environment 12
Installation of Interface Cbles 12
Micro USB 15
TF Card 16
Terminal Debugging and Trial Operation 16

6、Usage of Terminal 16
Basic Operation of Power on/off the Terminal 16
Usage of Button 17
Usage of USB Port 17

7、Trouble Shooting 18

8、Usage Precautions 19

9、Transportation and Storage 21

10、Other 21
Accessories for separately sell 21
Terminal Maintenance 22
Details for Getting in touch 22

Disclaimer:

- Every effort has been made in the preparation of this User Guide to ensure the accuracy and completeness of its content. However, it cannot be guaranteed that there are no errors or omissions in this manual.
- Fujian LANDI Commercial Equipment Co., Ltd. holds the full copyright of this manual and reserves the right to modify the software, hardware, and/or documentation of this product without prior notice.
- Due to product updates, certain details in this document may not correspond with the actual product. For accurate information, please refer to the physical product.The interpretation rights of this document belong solely to Fujian LANDI Commercial Equipment Co., Ltd.
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- Fujian LANDI Commercial Equipment Co., Ltd. shall not be held responsible for any damages, malfunctions, data loss or loss of accessories caused by incorrect operations that do not follow the instructions provided in this manual.

Environment Tips:

The environmentally sustainable lifespan of this product is 10 years, subject to the specified climate conditions for normal operation, storage, and transportation as outlined in the product's technical characteristics. Upon reaching its end-of-life stage, we highly recommend returning it along with its packaging to our company.

Part name	Hazardous substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Casing	○	○	○	○	○	○
Circuit board	×	○	○	○	○	○
Power Supply (optional)	×	○	○	○	○	○
Wire (optional)	×	○	○	○	○	○
Packaging materials	○	○	○	○	○	○
Lithium battery (optional)	○	○	○	○	○	○

This form is prepared in accordance with the provisions of SJ/ T 11364.

○ : Indicates that the content of the hazardous substance in all homogeneous materials of the part is below the limit requirements specified in GB/ T 26572.

× : Indicates that the content of the hazardous substance in at least one homogeneous material of the part exceeds the limit requirements specified in GB/ T 26572.

Note:

1. Most of the parts of this product are made of harmless environmental protection materials, and the parts containing harmful substances or elements cannot be replaced by harmful substances due to the limitation of global technological development level.
2. The environmental data for reference are obtained by testing in the normal use and storage environment required by the product, such as humidity and temperature.

Prompt Identifier:

Warning: This symbol indicates a potential threat to persinal safety and property.

Caution: Caution of possible equipment damage due to improper operation.

Notice: Key areas or important information that should be given special consideration during use or operation.。。

Abbreviation Correspondence Chart:

Abbreviation Letter	Meaning of Abbreviation Letter
AC	Alternating Current
DC	Direct Current
LPDDR3	DDR Memory
POS	Point Of Sale
BT	Bluetooth
IC Card	Integrated Circuit Card
RF Card	Radio Frequency Card
MicroSD Card	Storage Card, or Trans Flash Card
SAM Card	Secure Access Module
SIM Card	Subscriber Identity Module
WIFI	Wireless Fidelity
LCD	liquid Crystal Display
USB	Universal Serial Bus

1、Overview

Security Guarantee

- The installation and connection of this product must strictly adhere to the instructions provided in this manual. Connect the terminal to a stable power outlet and ensure that the grounding wire of the power socket is properly connected to earth. Avoid connecting the socket to circuits shared with frequently switched terminals such as copiers or air conditioners. Please retain all safety and operating instructions for future reference.
- It is prohibited to use non-specialized power supply as it may result in malfunctions due to incompatible power supply.
- If you notice any damage on the power cord, please immediately discontinue its usage and notify the relevant post-purchase service department.
- This terminal is an electrical appliance; do not expose it to liquid substances or allow conductive objects such as pins, thumbtacks, wires, etc., to fall into it as this may lead to short circuits and damage the product.
- Do not apply excessive pressure on this terminal or place any items on top of it.
- Avoid subjecting this terminal to severe vibrations, shaking, or forceful impacts.
- Do not position this terminal in environments with high temperature, humidity, dustiness, or strong electromagnetic fields.
- Do not plug/unplug any components or external terminals of this terminal while it is powered on; otherwise internal circuitry damage may occur. Always turn off the terminal's power switch before disconnecting its power supply.
- Try not to use flammable sprays, paints near this terminal in order to prevent fire hazards.
- In case of malfunctioning, immediately cut off the power supply and cease usage. Please promptly contact our LANDI post-purchase service department; avoid unauthorized disassembly for repairs.
- In case of thunderstorms, it is necessary to disconnect the power supply of the terminal in order to prevent lightning strikes.
- When abnormalities are detected by the terminal (such as opening the terminal casing),

sensitive information

stored inside will be erased. Therefore, please refrain from opening the casing to avoid unnecessary complications.

- When abnormalities are detected by the terminal, obvious warning messages will be displayed on the LCD

screen accompanied by alarm sounds. Please contact LANDI customer service for further assistance.

Warning

This product is classified as Class B and may cause radio interference in residential environments. In such instances, users may need to implement practical measures to mitigate the interference.

Terminal purpose and features:

C20Lite is an advanced POS terminal that incorporates a full touch screen and high-speed communication capabilities. It is specifically designed for indoor usage and caters to merchants in various industries, including catering, entertainment, chain stores, membership programs, offline physical stores of e-commerce businesses, and beauty salons.

As an intelligent cash register terminal, C20Lite showcases cutting-edge software, hardware, and industrial design. Its sleek appearance houses powerful functionalities such as a 4-core 2.0G high-speed CPU, ample memory capacity, a touchscreen LCD display for intuitive operation with multimedia features and user-friendly graphical interfaces.

Additionally, C20Lite supports multiple communication methods including standard WiFi and Bluetooth as well as Ethernet.

Configuration of Terminal Series:

Description of C20Lite Terminal Model

C20Lite Series Terminal Model List

Model	Terminal Name	Comment
C20Lite	POS Terminal	

Configuration of C20Lite Series Terminal

The C20Lite series offers a diverse range of functional configurations to cater to the varied needs of our customers. Consequently, there are variations in the configuration across different product versions. For detailed information, please reach out to your account manager for confirmation.

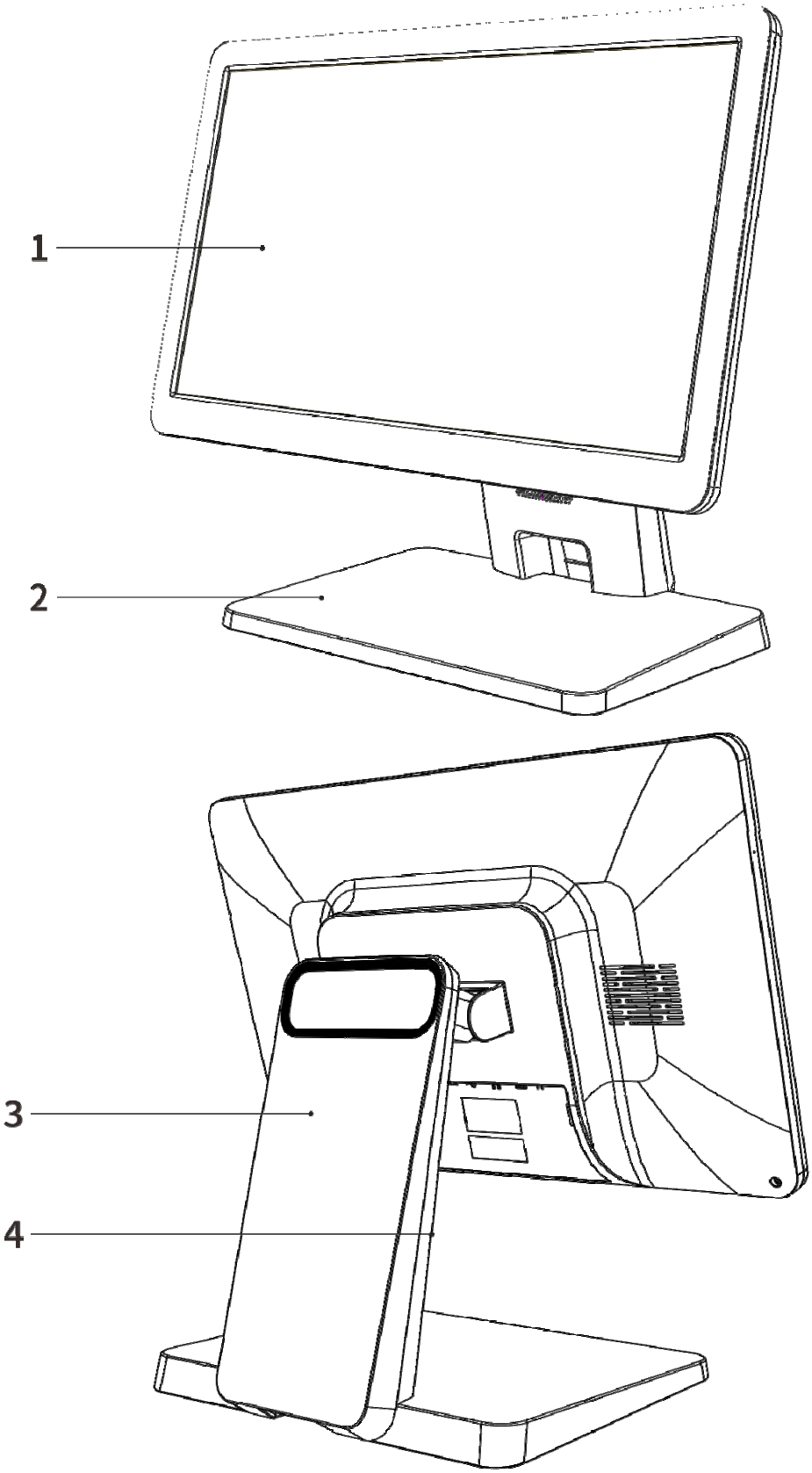
Terminal (Optional)	Specification	HVIN
Single-Display	Main display at 15.6 inches	C20LiteS
Dual-Display	Main display at 15.6 inches Customer Display at 10.1 inches	C20LiteD

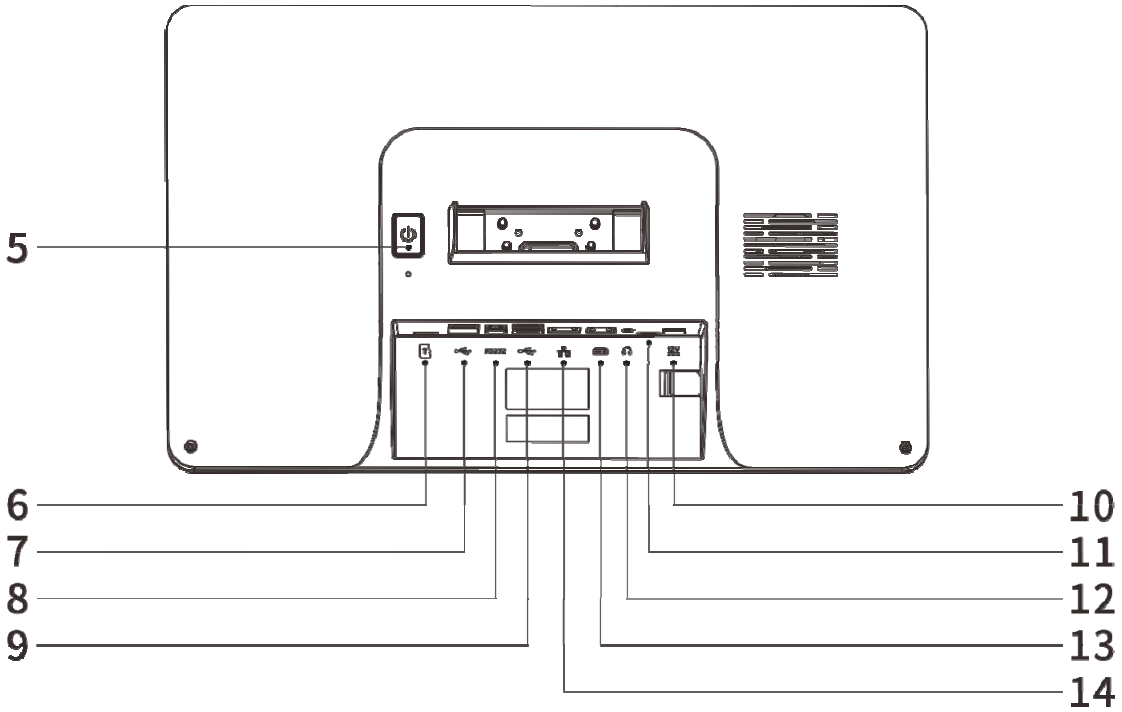
Operation Environment

The requirements for the operation and storage transpiration environment:

Temperature	Operating	-10℃～40℃
	Storage	-20℃～70℃
Humidity	Operating	5%～90% non-condensing
	Storage	5%～90%（40℃）
Barometric Pressure		86kPa～106 kPa Below an altitude of 2000 m

2、Appearance and Interface





2-1

1、Main Display (LCD with touch screen)

2、Base

3、Pillar

4、Speaker

5、Power Button6、TF Card Slot

7、USB Type-A Port

8、RS232

9、USB Type-A Port

10、1 Power Supply Port

11、MICRO USB Port

12、Audio Jack 3.5mm

13、Cashdrawer Port

14、Ethernet Port

3、Technical Features、Size、Weight

Technical Features

Part	Specifications
Processor	64-bit ARM Cortex Quad-Core, 2.0GHz
OS	Android13
Memory	2GB RAM + 16GB FLASH 4GB RAM + 32GB FLASH (Optional)
Expand Memory	Micro SD Card (Up to 2TB)
Main Display	15.6” at 1366 x 768 HD 15.6” at 1920 x 1080 FHD (Optional)
Ports	1 Micro USB 4 USB A 1 RS232 1 RJ45 Ethernet port 1 Cashdrawer port 1 Audio jack 3.5mm 1 TF Card port
Communication	ETH 100M Wi-Fi: IEEE802.11b/g/n 2.4G Bluetooth 4.2, Support BLE
Language	Supports Headset and Voice playback
Video Playback	Supports720P/1080P video playback
Audio	Speaker: 3W speaker, 90 dB @1m
Environment	Operating Temperature : -10℃～40℃ Storage Temperature: -20℃～70℃ Operating Humidity: 10%～90% non-condensing
Power Supply	Input: 100V～240V AC/50～60Hz/ Output: 19V DC/2.1A; 19V DC/3.42A
Size	Single-display: 380mm(Length)x238mm(Width)x338mm(Height) Dual-display: 380mm(Length)x257mm(Width)x338mm(Height)
Weight	Single-display : Net weight 2.5KG, Gross weight 3.2KG Dual-display: Net weight 2.9KG, Gross weight 4.1KG
Optional Accessories	External kitchen printer External label printer External barcode scanner External scanning box External MISPOS External Cash drawer

4、Unboxing and Inspection

Open the packaging box and carefully inspect the terminal and accessories for any signs of tampering or transportation damage. POS terminals are equipped with built-in security features, rendering them unusable if dismantled.

1. Unpacking the packaging box and check the following items:

✧ C20lite Terminal

✧ Power Supply

✧ Safety, Warranty, Installation Guide

2. Remove all plastic wrapping from the terminal and other accessories.

3.Retain the shipping packaging box and materials for future packing or transporting of the terminal.

5、Installation

Installation Environment

The POS terminals should be positioned in areas with minimal electromagnetic radiation during operation. Additionally, it is essential to install the terminal on a stable platform to prevent accidental falls. Furthermore, it should be placed at a considerable distance from heat sources, vibrations, dust, moisture, and other potential sources of electromagnetic radiation (such as computer screens, electric motors, security terminal).

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Notice: For safety reasons, do not lay power lines along pedestrian walkways or across pathways on the floor.

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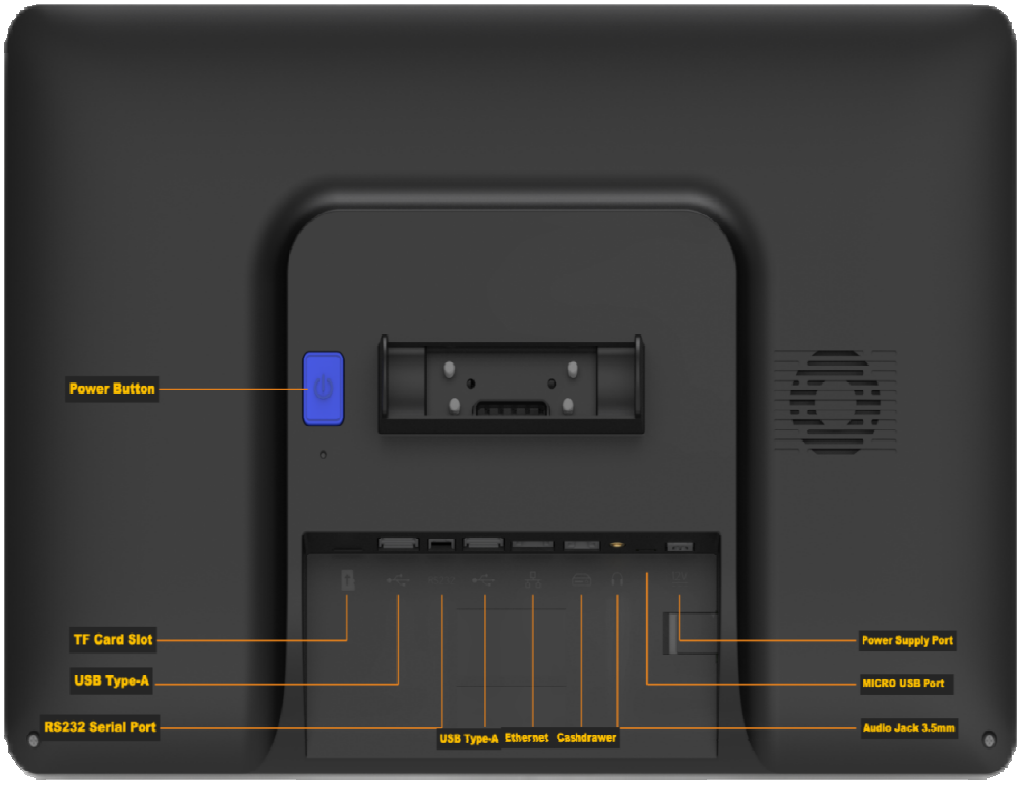
Ports Cables installation



5-1

The ports at the bottom, from left to right, are: Power button, TF card slot, USB Type-A port, RS232 serial port, another USB Type-A port, Ethernet port, Cashdrawer port, Audio port, Micro USB port and

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Notice: The power button, USB cable, and Ethernet cable should be neatly placed inside the wire slot on the back cover of the base to minimize cable clutter.

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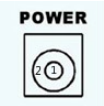
Power Supply

The power adapter should be removed from the packaging box and inserted into the terminal's power interface, establishing a connection between the terminal and the mains electricity.

Power Adapter Specifications

The terminal power port is used to supply power to the terminal by inserting the randomly configured power adapter plug into the power seat.



No.	Signal	Description
1	VDD	Power port, 19V
2	GND	Power reference ground

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Warring: Please use the standard power supply provided in the terminal packaging, as using any other model may result in the terminal not functioning properly.

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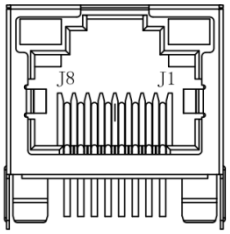
Ethernet Port (RJ45)

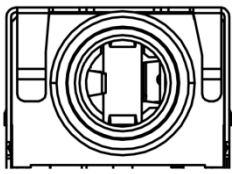
When configuring the terminal for Ethernet communication, it is recommended to utilize a network cable equipped with a standard RJ45 connector.



No.	RJ45 Signal
1	ETH_TX+ Ethernet communication Signal
2	ETH_TX- Ethernet communication Signal
3	ETH_RX+ Ethernet communication Signal
4	NC
5	NC
6	ETH_RX- Ethernet communication Signal
7	NC
8	NC

Audio

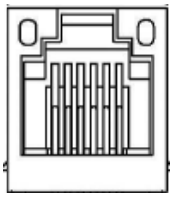
The audio jack supports both OMTP and CTIA standard interfaces, including four-pole audio plugs (with microphone support) and three-pole audio plugs, allowing for the connection of headphones or speakers.



No.	Audio Signal
1	MIC2_IN MACK Input
2	HPH_L Left Channel
3	HPH_R Right Channel
4	HS_DET Insertion Detection
5	NC
6	HPH_REF Reference Ground

Cash Drawer Port (RJ11)

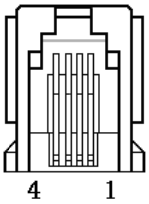
The terminal supports external cash drawers with an RJ11 interface, compatible with all 12V cash drawers available on the market.



No.	RJ11 Signal
1	GND
2	NC
3	Drive Signal
4	GND

Serial Port COM1 (RJ22)

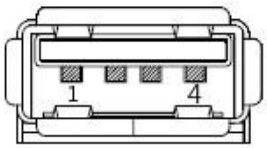
The terminal is equipped with one or two standard RS232 level serial ports, specifically designated as COM1.



No.	RJ22 Signal
1	5.0V
2	TXD Send
3	RXD Receive
4	Signal Ground

USB Type-A

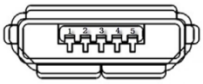
The terminal comes with four USB HOST interfaces as standard, which are used for connecting other USB devices.



No.	Signal	Description
1	VBUS	USB interface power, output 5.0V
2	D-	Data Cable, differential signal -
3	D+	Data Cable, differential signal +
4	GND	Power Reference Ground

Micro USB

Micro USB is only used as a peripheral device to connect to computers for debugging and data transfer purposes.



No.	Signal	Description
1	VBUS	5V insertion identification
2	D-	Data cable, deferential signal -
3	D+	Data cable, deferential signal+
4	ID	NC
5	GND	Power Reference Ground

TF Card

Only supports cards formatted in FAT/FAT32, up to 2TB.

Terminal Debugging and Trial Operation

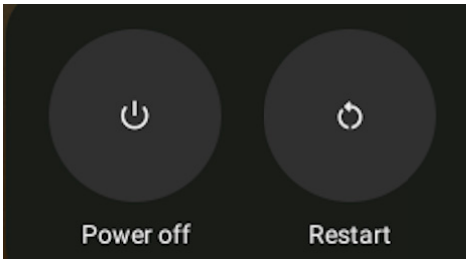
1. Check if the terminal is receiving proper power supply. When powered on correctly, a red light will appear below the main screen indicating the power status.
2. Ensure that all communication cables and SIM cards (if required) are properly installed.
3. Press the power button and observe if the terminal starts up normally. Once started, a blue light will indicate that it is powered on successfully. If pressing and holding the power button does not elicit any response from the terminal, please refer to Chapter 7 "Common Troubleshooting" for assistance.
4. After completing terminal installation, kindly ask users to perform a trial run to ensure successful installation of the terminal.

6、Usage of Terminal

Basic Operation of Power on/off the Terminal

Power on: Make sure that the power adapter is connected and powered on correctly. At this time, the power icon will light up in red. Press and hold the 'Power' button for a long time (about 3 seconds) before releasing it. The power icon will then turn blue, the main display screen will light up, and the startup welcome screen will appear.

Power off: Press and hold the power button for a long time (approximately 2 seconds), and the terminal will display the following:



6-1

Select 'Power off'

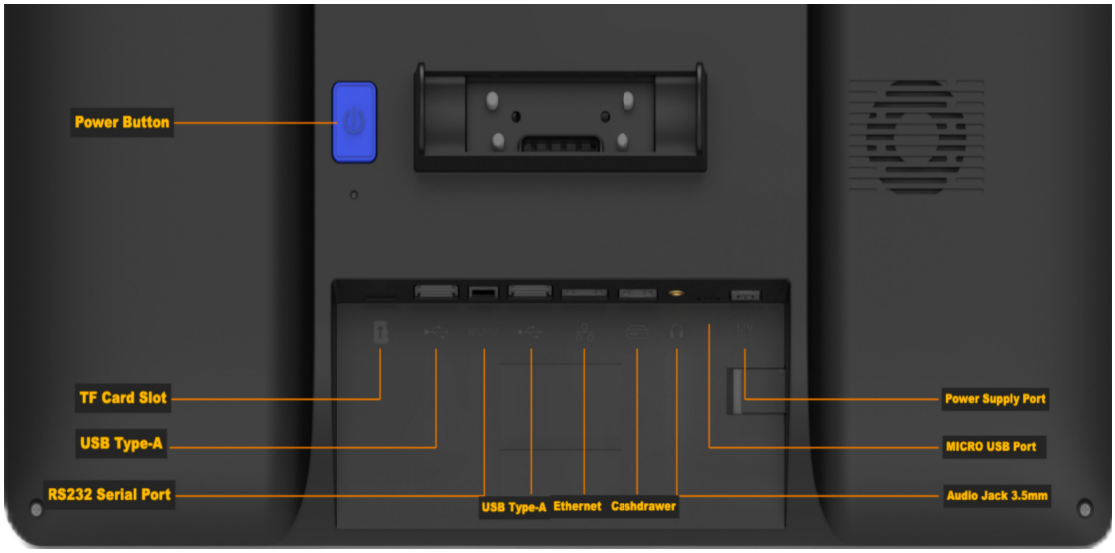
Usage of Buttons

There is a power switch button on the terminal, located directly behind the main display screen.

6-2

Usage of USB Ports

The terminal is equipped with four USB Type-A ports, all located in the interface area, which are recommended for connecting USB accessories that are not frequently plugged and unplugged, such as password keyboards and barcode scanners.



6-3

7、Trouble Shooting

Troubles	Reasons	Trouble Shooting
Terminal will not turn on	Power Supply Exception	1、 Ensure that the power adapter is properly connected, indicated by a red light when the terminal is powered off. 2、 Make sure to press and hold the 'power button' for more than 3 seconds until the device powers on. 3、 If the problem persists, please contact customer service for professional assistance.
The screen display nothing	Insufficient power supply or incorrect connection of the power cable.	1、 Check the power supply connection of the terminal. 2、 Disconnect and then reconnect the power supply to the terminal. 3、 Verify if the power supply cable is properly connected. 4、 If the problem persists, please contact customer service for professional assistance.
External accessories not working	1、 Power Supply Exception 2、 Incorrect connection of Cable 3、 Micro USB connect with PC	1、 Check that the cables connecting accessories to the terminal are properly installed. 2、 Check if the terminal connected to their respective ports are powered on and functioning properly. 3、 There may be an issue with the cable connecting the optional device to the terminal. Please try replacing the cable. 4、 If the problem persists, please contact customer service for professional assistance.
No response to touch or inaccurate position offset.	1、 The screen is stained with water or other dirt. 2、 Software malfunction in the system.	1、 Please clean the screen and try again. 2、 Please restart the terminal and try again. 3、 If the problem persists, please contact customer service for professional assistance.
The Ethernet cannot connect.	1、 The cable is not plugged in properly. 2、 The cable might damaged.	1、 The network cable on the device or router may not be properly plugged in. Please check if the Ethernet port indicator light is functioning correctly. 2、 The network cable might be damaged, please replace it with a new Ethernet cable and test again. 3、 If the problem persists, please contact customer service for professional assistance.
WIFI network connection failed	1、 System Setting 2、 No signal	1、 Please check if the WIFI connection is enabled and allowed in the system settings or software. 2、 Try restarting the system to eliminate any other

	coverage or poor signal 3、 Wireless router configuration issues.	software issues. 3、 It is possible that there is no proper WIFI signal coverage in the location. Use other devices like a mobile phone to check for WIFI signal coverage in current position. 4、 Verify if the wireless router is correctly configured, ensuring that its working/encryption mode matches with the terminal, and there are no special security or firewall settings interfering. 5、 If the problem persists, please contact customer service for professional assistance.

8、Usage Precautions

✧ Do not use the terminal device in harsh environments such as direct sunlight, high temperatures, humidity, or excessive dust.

✧ For cleaning the terminal, dampen a clean cloth with a few drops of neutral detergent and avoid using wet cloths. For stubborn stains, alcohol or alcohol-based cleaners can be used. Do not use diluent, trichloroethylene or ketone solvents as these chemicals can damage plastic or rubber components. Avoid spraying cleaning agents or other solutions directly onto the terminal display screen.

✧ Do not plug or unplug any components (except for USB ports, Ethernet ports, and headphone jacks) while they are powered on as it may damage interface devices.

✧ Do not hot-swap SIM cards, MicroSD cards, etc.

✧ After each day's business operations end, please remember to shut down the terminal.

✧ Terminal should be managed by designated personnel and unfamiliar individuals should not operate it.

✧ If any of the following abnormal phenomena occur during operation, immediately stop operating it, cut off power supply and promptly report to service provider.

1) hearing sharp noises during operation;

2) accidentally allowing impurities or water into the machine;

3) emitting unpleasant odors during operation

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Please note that the terminal should be protected from water and dust, therefore it is only intended for indoor use. Any damage caused by rain or dust infiltration is not covered under warranty.

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FCC Statement:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.

Note: 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.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with minimum distance 20cm between the radiator &you body.

ISED RSS Warning/ISED RF Exposure Statement

ISED RSS Warning:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence.L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillageest susceptible d'en compromettre le fonctionnement.

ISED RF exposure statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment.This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Le rayonnement de la classe b repecte ISED fixaient un environnement non contrôlés.Installation et mise en œuvre de ce matériel devrait avec échangeur distance minimale entre 20 cm ton corps.Lanceurs ou ne peuventpas coexister cette antenne ou capteurs avec d'autres.

9、Transportation and Storage

Transportation should be conducted using conventional methods, while avoiding exposure to rain, snow, direct sunlight, and mechanical impact. During handling, utmost care must be taken to prevent dropping or throwing. Measures should be implemented during transportation to avoid compression and packaging damage. The product ought to be stored in its original packaging box.

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Notice： There is a warning on the packaging box regarding transportation. Please

follow the instructions during transportation to avoid potential damage to the terminal.

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The warehouse must not contain any harmful gases, flammable or explosive materials, or corrosive chemicals. Furthermore, there should be no presence of strong mechanical vibrations, impacts, or intense magnetic fields. The packaging boxes should be positioned at least 15cm above the ground and maintained at a minimum distance of 50cm from walls, heat sources, cold sources, windows or air vents.

10、Other

Accessories for separately sell:

1、Expand Cable：USB Cable、RJ22 toDB9serial cable
2、Thermal printing paper
3、Password keypad
4、Cash Drawer
5、Micro SD Card
6、Scanner

Note: Please contact the account manager for details.

Terminal Repairs

Please refer to the contact information provided in the device warranty booklet to contact the nearest repair center for repairs. When seeking repairs, please provide valid purchase documents such as invoices. For more details, please consult the product's warranty manual.。

Contact:

Fujian LANDI Commercial Equipment Co., Ltd.

Building 17, Section A, Software Park, No. 89 Software Road, Gulou District, Fuzhou Municipality, Fujian Province, China

TEL: 0591-88077077 4006-580-616

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POST Code: 350003

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