THANK YOU
Merci ありがとう
謝 Danke
Vielen Dank
Mahalo
Terima Kasih
Obrigado
Gracias
спасибо
Toda
Paldies
Ngiyabonga
kiitos
Дякую
Dziekuje Ci
Cảm ơn bạn
Je vous remercie

SUNMI

D2 MINI

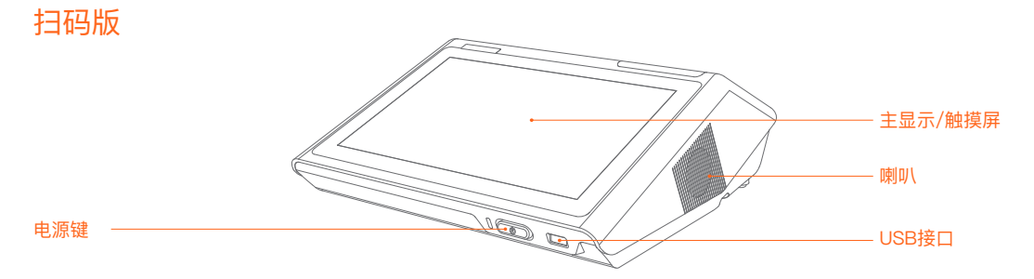
用户指南
User Manual

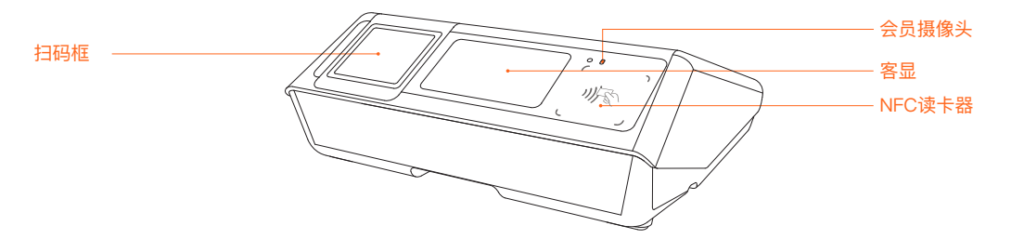
封面

封二

收款机简介

扫码版





主显示/触摸屏
用于操作员操作系统界面使用。

电源键
关机状态下，短按开机启动；
使用状态下，长按2~3秒，可选择关机或重启。
开机状态下，长按11秒，断电关机。

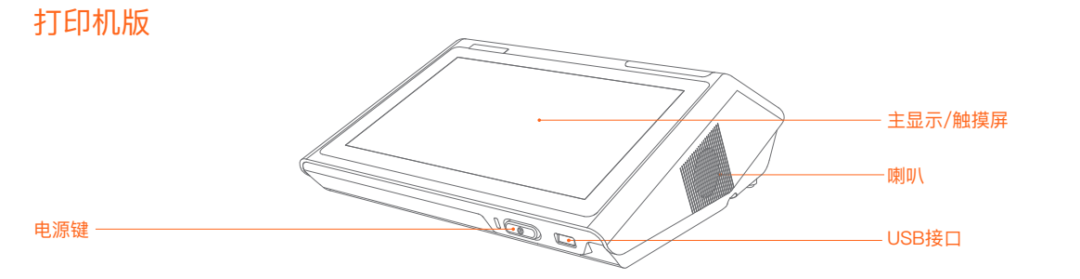
扫码框
用于顾客使用二维码进行支付。

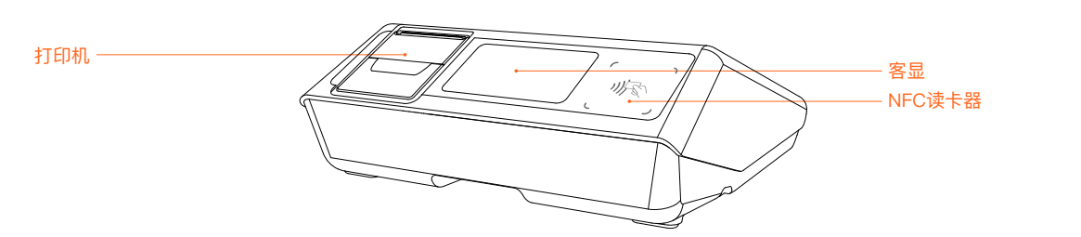
NFC读卡器
用于感应NFC卡，符合标准ISO14443 A, ISO14443 B, ISO 15693, MIFARE 1K/4K。

客显
用于显示顾客消费价格信息及展示广告功能等。

收款机简介

打印机版





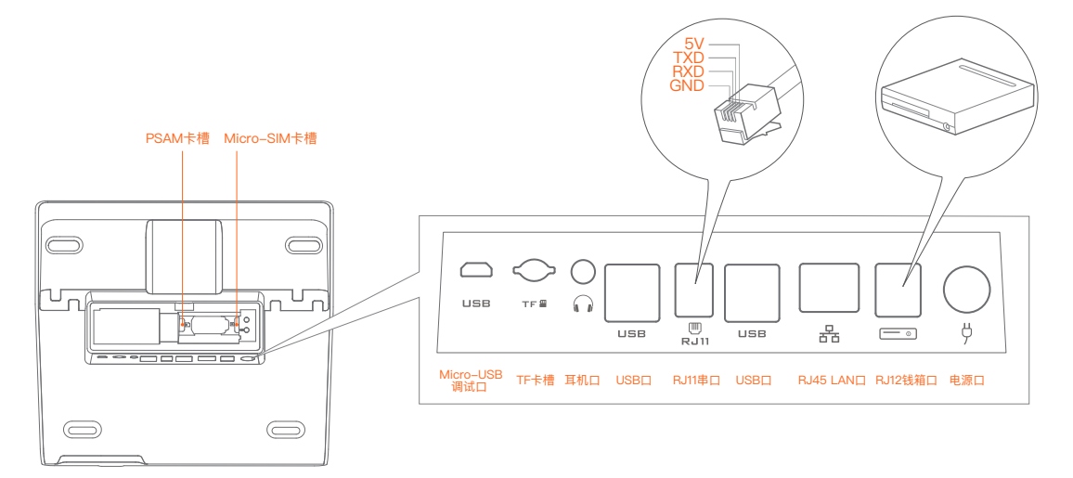
主显示/触摸屏
用于操作员操作系统界面使用。

电源键
关机状态下，短按开机启动；
使用状态下，长按2~3秒，可选择关机或重启。
开机状态下，长按11秒，断电关机。

打印机
用于开机状态下打印单据。

NFC读卡器
用于感应NFC卡，符合标准ISO14443 A, ISO14443 B, ISO 15693, MIFARE 1K/4K。

客显
用于显示顾客消费价格信息及展示广告功能等。



Micro-SIM卡槽
用于安装Micro-SIM卡接入上网数据流量。
注：只有打印机4G版本支持（单独定制）。

PSAM卡槽
用于安装PSAM卡进行数据安全管理。

TF卡槽
用于外扩TF存储卡，最大支持64GB。

Micro USB调试口、调试功能键
用于调试设备时使用。
注意：调试时，设备底部的USB口外接设备不能工作，只有电源键处USB口可以工作。

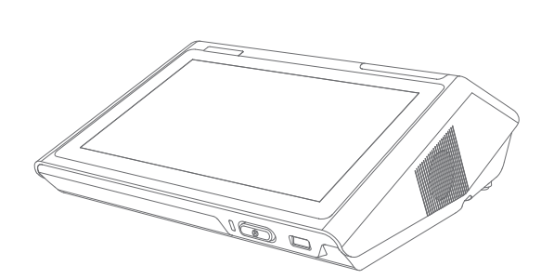
钱箱口
可外接钱箱，用于现金收款。
用于外接钱箱，输出100ms电脉冲，不会持续供电。
本设备可以外接12~24V不同规格的钱箱。

收款机基本参数

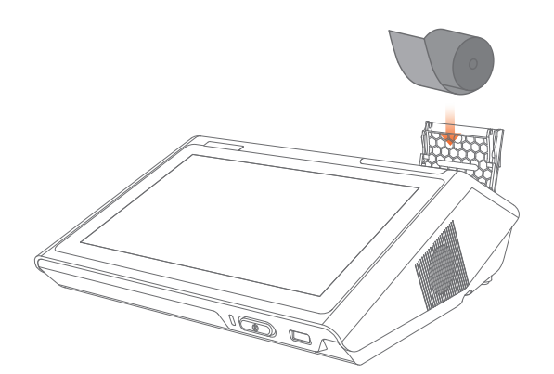
D2 MINI 产品型号及规格

	产品型号	T1710	T1710
	产品说明	扫码版	打印机版
操作系统	Android 8.1 商米安全操作系统	○	○
处理器	四核处理器，Cortex-A35	○	○
存储器	2GB RAM，DDR3；8GB ROM，eMMC5.1	○	○
主屏	10.1"HD，1280*800，300nits，10点电容触摸屏	○	○
客显	4.3"WVGA，800*480，300nits	○	○
WiFi	2.4GHz，支持IEEE 802.11 b/g/n	○	○
蓝牙	支持蓝牙2.1/3.0/4.2，支持BLE	○	○
按键	电源键（锁屏键）	○	○
喇叭	3W，4Ω	○	○
NFC读卡器	支持ISO14443 A，ISO14443 B，ISO 15693，MIFARE 1K/4K	○	○
PSAM卡	支持Mini SIM(2FF)卡	○	○
外部储存卡	支持MicroSD卡，最大到64GB	○	○
扫码模块	二维码，精度＞10mil，速度＜0.05s；30fps	○	×
会员摄像头	5M FF，USB接口	○	×
打印机	内置58热敏打印机，打印速度 160mm/s， 30fps， 打印寿命50km；支持外径60mm纸卷；手动撕纸	×	○
4G模块	支持4G网络	×	×
SIM卡座	1.8V/3.0V；Micro SIM(3FF)	×	×
外部接口	5*USB TypeA口，1*RJ11串口，1*RJ12钱箱口， 1*RJ45 LAN口，1*耳机口，1*电源口，1* MicroUSB调试口	○	○
电源适配器	Input：AC100~240V/1.7A，Output：DC24V/1.5A;	○	×
	Input：AC100~240V/1.7A，Output：DC24V/2.5A;	×	○
尺寸	长宽高：260mm*290mm*99mm	○	○
重量	扫码版：约1.81kg；打印机版：约1.94kg；	○	○
工作环境	工作温度：0°C --- 40°C 储藏温度：-20°C --- 60°C	○	○
备注	○：代表支持此功能 ×：代表不支持此功能		

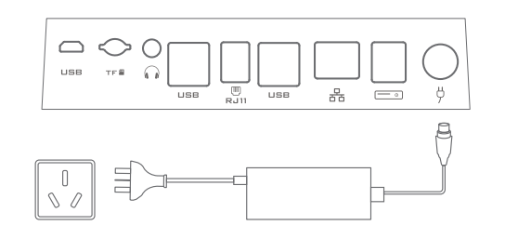
快速安装指南



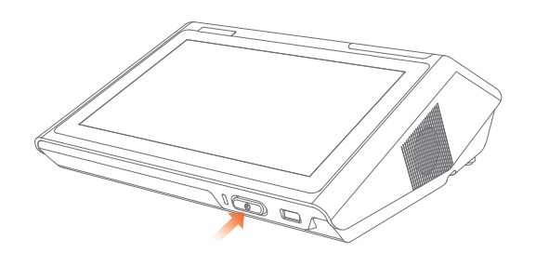
1 准备好D2 MINI。



2 放入58mmx60mm热敏打印纸(扫码版此步省略)。



3 适配器连接设备，AC线连接适配器，然后插头接通电源。



4 按下电源键开机。

极简设置

开启智能商用设备，只需几步

1. 按电源键，屏幕点亮，进入首次开机界面，按提示操作即可。
本机可支持有线上网，Wi-Fi上网，4G上网（选配）。
2. Wi-Fi设置
   - 点击【设置】按钮，然后开启WLAN，进入WLAN搜索界面，等待其搜索并列出可用的WLAN热点；
   - 点击要连接的WLAN，若选择一个加密的网络，则需要输入访问密码方可连接。

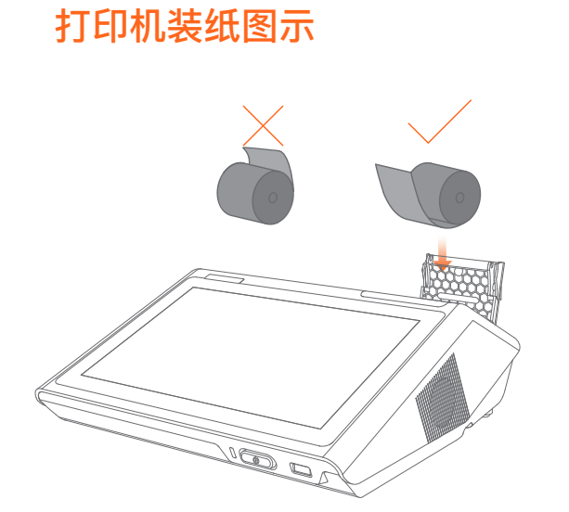
如何下载 / 使用应用
相关应用可在联网模式下，打开应用市场，浏览并下载应用即可完成安装。

系统预置软件列表
· 应用市场 · 推送服务 · 用户反馈 · 数据服务 · 电子说明书
· 远程控制 · 硬件管家 · 打印服务 · 欢迎界面 · 用户中心· OTA

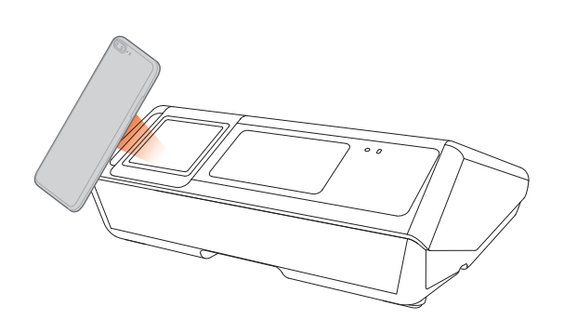
以上软件详细信息查询方法：选择"设置->应用"，选择相应软件名称进行查看信息；
软件卸载方法：选择"设置->应用->管理应用->卸载"卸载应用；或长按图标，拖曳到垃圾桶卸载。

更多使用帮助请阅读机内帮助APP

打印机装纸图示



打印纸说明
支持规格为58mm×60mm的热敏打印纸；



手机扫码说明
带扫码模块版本才支持本功能，可识别手机支付二维码。

常见故障排除

症状	解决方法
死机怎么办	· 长按电源键11秒，进入断电关机，短按重新开机。
打印机不工作	· 确认纸仓盖正确关闭； · 确认是否发生卡纸故障。
打印内容空白	· 请检查纸卷是否放反； · 请检查是否使用了错误的热敏打印纸卷。
打印内容模糊	· 请检查热敏头片是否脏污，如果脏污，请使用棉签蘸无水酒精进行擦拭； · 请更换品质有保障的热敏纸，避免因为纸质引起的打印不清。

注意事项

安全警告
- 请将交流电插头插入与配件电源适配器上标识输入相对应的交流电插座中；
- 严禁在存有任何潜在爆炸性气体的场所使用；
- 非专业人员不要随意打开电源适配器，以免发生危险；
- 此为A级产品。在生活环境中，该产品可能会造成无线电干扰。在这种情况下，可能需要用户对于干扰采取切实可行的措施。

关于电池的更换
- 设备内置时钟电池（非设备工作电池），可以正常待机约3年时间；
- 需要更换电池时，请联系本公司售后客服安排处理。

重要安全说明
- 避免在雷电期间安装或使用，否则有被雷电电击的危险；
- 当您发现有异常气味，过热或烟雾情形下，请立刻切断电源；
- 撕纸刀较锋利，请勿触碰！

建议
- 避免长期在靠近水或潮湿的环境中使用；
- 不要在极端冷、热环境中使用，例如靠近火源或点燃的香烟；
- 不要摔、投掷或弯折；
- 尽量在清洁无尘环境中使用，避免细小物品落入终端中；
- 在未获允许的情况下，不要在医疗设备附近使用。

声明
本公司不对以下行为负责
- 不在本指南说明的条件下使用和维护所造成的损坏；
- 对于因选件或耗材（非本公司提供之最初产品或认可产品）造成的损坏或问题；
- 未经本公司同意，无权进行产品修改或变动；
- 本产品的操作系统支持官方的系统更新，如果用户刷了第三方的ROM系统或者采用破解方式修改了系统文件，可能会导致系统不稳定，以及带来安全风险和安全威胁。

免责申明
由于产品的更新，此文档的某些细节可能与产品不符，请以实物为准，此文档的解释权归本公司。保留不预先通知的情况下，修改本说明书的权利。

本产品有毒有害物质名称及含量标识表

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VII))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
电路板组件	×	○	○	○	○	○
壳体组件	○	○	○	○	○	○

○：表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T11363-2006规定的限量要求以下。

×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T11363-2006规定的限量要求；
但是上表中打"×"的部件，其含量超出是因为目前业界还没有成熟的可替代的技术。

对达到或超出环保使用年限的产品，应依据《电子信息产品污染控制管理办法》规定进行回收再利用，不应随意丢弃。

使用场合
食堂，餐馆，零售店铺等；

使用人群
各类场合的收银员；

实现功能
提供数据服务和管理功能，并进行非现金结算，如刷卡，扫码；或者刷卡及小票打印；

包装内容

☑ 主机x1
☑ 用户指南x1（含产品保修卡、产品合格证）
☑ 电源适配器x1，AC电源线x1
☑ 58mm打印纸x1（仅打印机版包含）

产品保修卡

产品名称：
产品型号：
产品编号：
购买日期：
保修期限：自购买之日起，我公司提供___天保修服务。
联系方式：
· 公司地址：
· 联系电话：

以下情况您不提供免费保修：
· 未经允许擅自拆卸修理的产品。
· 产品条码、易碎贴破损及保修卡涂改、残缺的。
· 未按照说明书的要求操作设备所引起的故障。
· 因进水或跌落而造成的故障、划伤或破损的人为损坏。
· 因不可抗拒因素造成的故障或损坏。
· 保修期限外。

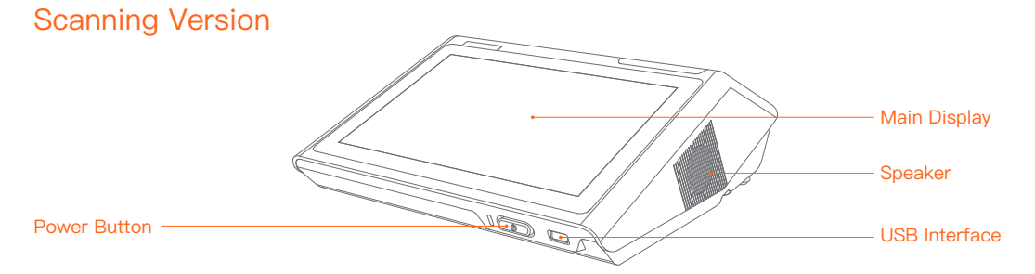
产品合格证

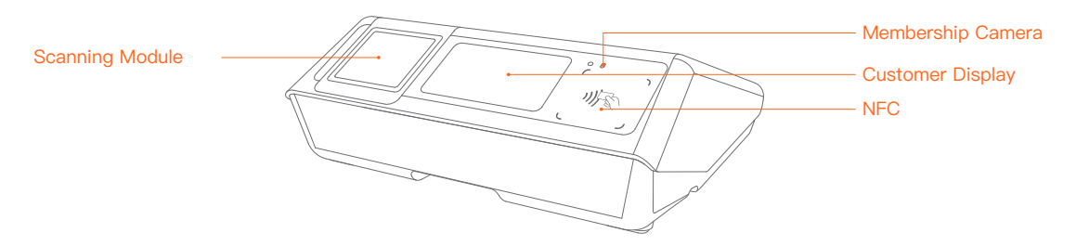
已检验合格

T1710 CMIIT ID: 2019DP10747
制造商：上海商米科技集团股份有限公司
地 址：上海市杨浦区淞沪路388号创智天地7号楼505室

Introduction of Cash Register

Scanning Version





Main Display
A touch screen for the operator.

Power Button
When the machine is off, short press to start;

In the use, press and hold for 2-3 seconds to select shutdown or restart.

When the machine powers on, press and hold for 11 seconds, it will turn off. .

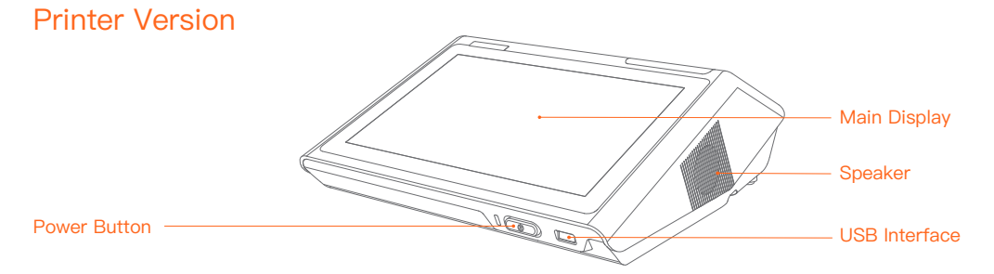
Scanning Module
Used for the customers to pay with QR code.

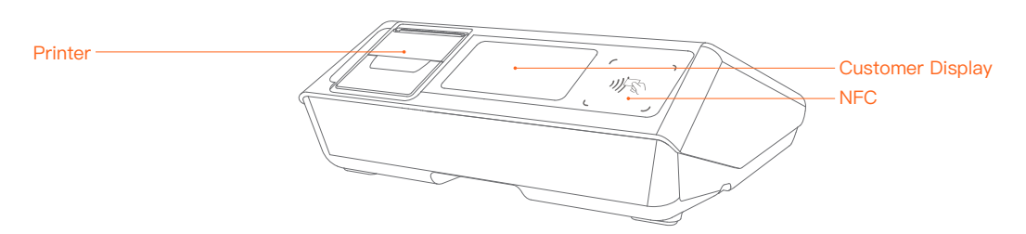
NFC
Used for payments via NFC card tapping, and complies to standards ISO14443A, ISO144443B, ISO15693, MIFARE1K/4K.

Customer Display
Used to display consumption information and display advertisement, etc.

Introduction of Cash Register

Printer Version





Main Display
A touch screen for the operatort.

Power Button
When the machine is off, short press to start;

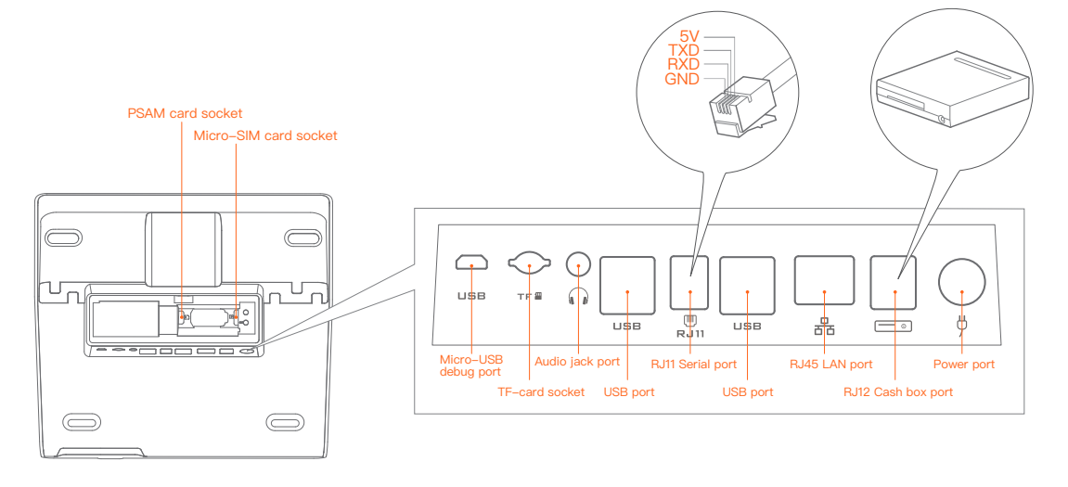
In the use, press and hold for 2-3 seconds to select shutdown or restart.

When the machine powers on, press and hold for 11 seconds, it will turn off.

Printer
Used to print receipts when the machine powers on.

NFC
Used for payments via NFC card tapping, and complies to standards ISO14443A, ISO144443B, ISO15693, MIFARE1K/4K.

Customer Display
Used to display consumption information and display advertisement, etc.



Micro-SIM card socket
Used to install Micro-SIM card and access the internet data traffic.
Note: Supported by Printer 4G Version only.

PSAM card socket
Used to install PSAM card and manage data security.

TF card socket
Used forexpanding the TF memory card with 64GB maximum support.

Micro USB debug port, key for debug function
Used for machine debugging.
In the commissioning, the USB port on the bottom of the machine cannot work.
Only the USB port of the power button can work.

Cash box port
Used for the external cash box and outputs 100ms electric pulse. It cannot supply power continuously.

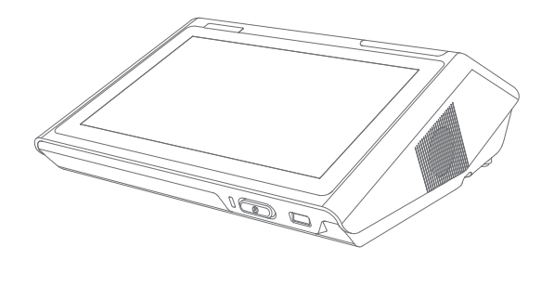
This machine can be connected to a 9-24V cash box of different specifications.

Basic parameters

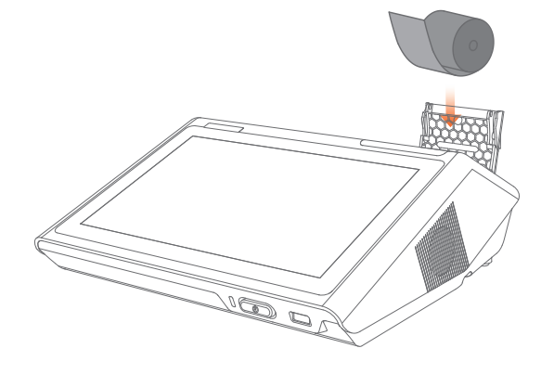
D2 MINI Product version and spec

	Product model	T1710	T1710	T1711
	Product description	Scanning Version	Printer Version	Printer 4G Version
Operating system	Android 8.1 SUNMI secure operating system	○	○	○
Processor	Quad-core Processor Cortex-A35	○	○	○
Memory	2GB RAM，DDR3；8GB ROM，eMMC5.1	○	○	○
Main Screen	10.1"HD，1280*800，300nits；10 points capacitive touch screen	○	○	○
Customer Display	4.3"WVGA，800*480，300nits	○	○	○
WiFi	2.4GHz, support IEEE 802.11 b/g/n	○	○	○
Bluetooth	Support BT 2.1/3.0/4.2，support BLE	○	○	○
Key	Power key（Lock screen button）	○	○	○
Speaker	3W，4Ω	○	○	○
NFC	Support ISO14443A , ISO14443B , ISO15693 , MIFARE 1K/4K	○	○	○
PSAM Card	Support Mini SIM (2FF) Card	○	○	○
External memory card	Support MicroSD(TF) card, max to 64G	○	○	○
Scan code module	QR code，Accuracy＞10mil，Speed＜0.05s，30fps	○	×	×
Membership camera	5M FF，USB port	○	×	×
Printer	Built-in 58 thermal printer, printing speed is 160mm / s, 30fps, and the printing service life is 50km Support 60mm till roll outer diameter; Tearing paper manually	×	○	○
4G module	Support 4G network	×	×	○
SIM card holder	1.8V/3.0V Micro SIM(3FF)	×	×	○
External interface	5*USB TypeA port, 1*RJ11 serial port, 1*RJ12 cash box port, 1*RJ45LAN port, 1* Audio jack port, 1* power port, 1*MicroUSB debug port	○	○	○
Power adapter	Input：AC100~240V/1.7A，Output：DC24V/1.5A;	○	×	×
	Input：AC100~240V/1.7A，Output：DC24V/2.5A;	×	○	○
Dimension	L*W*H：260mm*290mm*99mm	○	○	○
Weight	Scanning Version: 1.81kg; Printer Version: 1.94kg	○	○	○
Working environment	Working temperature: 0℃---40℃ Storage temperature: -20℃---60℃	○	○	○
Notes	○ : System supports this function × : System does not support this function			

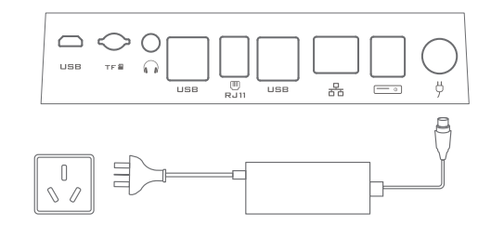
Quick installation guide



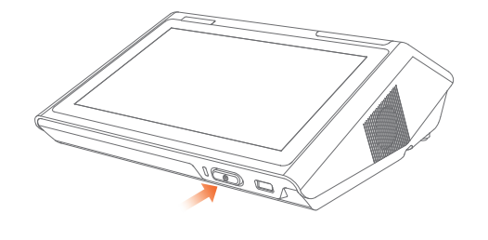
1 Prepare D2 MINI.



2 Load thermal printing paper of 58mm*60mm. (Scanning version skips this step.)



3 Connect the adapter to the machine with AC cable and power on.



4 Press the power button to startup .

The simple setting

A few steps to turn on the smart equipment for business.

1. Press the power button till the screen lights up which means you enter the first boot interface, then follow the instructions. This machine supports the wired Internet access, Wi-Fi Internet access and 4G Internet access (optional).
2. Set Wi-Fi
   - Click the [Settings] button, then turn on the WLAN. The display will show WLAN search interface, wait for it to search and list the available WLAN hotspots.
   - Click on the WLAN you want to connect to. If you choose an encrypted network, you need to enter the access password to connect.

How to download and use the APP?
In the application market, relevant applications can be founded, installed and downloaded with network connected.

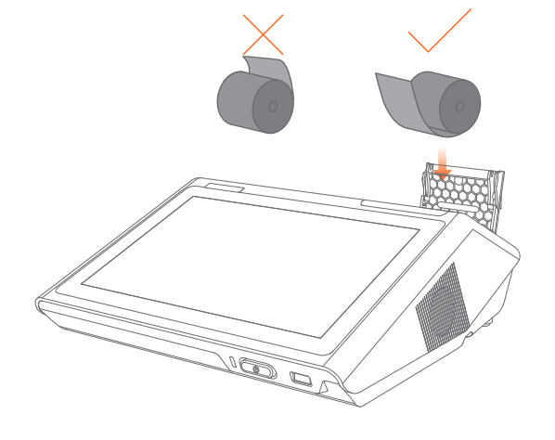
List of Built-in Software
· App Store · Push Service · User Feedback · Data Service · Electronic Manual
· Remote Control · Hardware Steward · Print Service · Welcome Interface · User Center· OTA

If you want to know more detailed information about above APPs, just choose "Settings -> Application" and click the corresponding software name.

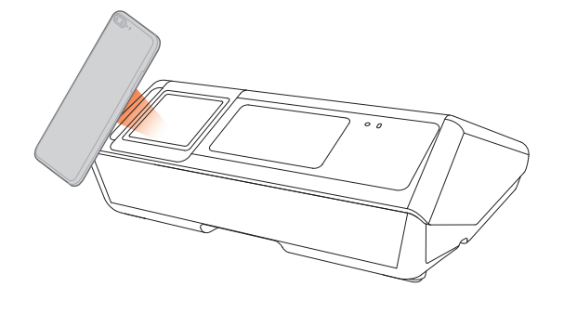
If you want to uninstall an APP, choose "Settings -> Applications -> Manage Apps -> Uninstall" to uninstall the app. Or you can touch and hold the app and drag it to the Dustbin.

If you need more help, please read the built-in Help APP.

The diagram of paper-loading process



Description of printing paper
Support thermal paper with specification of 58mm×60mm.



Description of the code scanning by phone
This function is only available to Scanning version, which can identify a payment QR code displayed mobile phone.

Frequently Asked Questions

Question	Solution
What to do if it crashes	· Press and hold the power button for 11 seconds, the machine will turn off. Then, short press to restart.
What to do if the printer stops operating	· Make sure the cover of the paper compartment is closed properly； · Check if a paper jam occurs.
What to do if printed content is blank	· Check if the paper roll is reversed ； · Check if the wrong thermal paper roll is used.
What to do if printing content is blurred	· Check if the print head is dirty. If it is, wipe it with a cotton swab and absolute alcohol. · Use the thermal paper with guaranteed quality to avoid unclear printing caused by poor paper.

Precautions

Safety warnings
- Please insert AC plug in the AC socket which input voltage is the same with that labeled on the power adapter;
- Do not use the product in any place with potential explosive gases;
- Do not disassemble the power adapter unless you are qualified;
- This is a Class A product. In actual living environment, the product may cause radio jamming. In this case, users need to take practical anti-jamming measures.

Battery replacement
- The built-in clock battery (non equipment-working battery) can be normally used for three years.
- If you need to replace the batter , please contact the after-sales for treatment.

Important safety instructions
- Avoid installation or use during lightening; otherwise there is lighting danger;
- When you find abnormal smell, please cut off power under too hot or smoky condition;
- The paper cutter is sharp. Please do not touch it.

Suggestion
- Avoid using the product nearby water or moisture environment for long time;
- Avoid using the product in extreme cold or hot environment such as fire source or lighted cigarettes;
- Do not toss, throw or bend the product;
- Try to use the product in the clean environment and prevent small items from falling into the terminal;
- Without permission, do not use the product nearby any medical facility.

Declaration
The company is not responsible for the following actions:
- The product is damaged due to improper using or maintenance which is not in accordance with this Guide;
- The product is damaged due to unauthorized accessories or parts (not original or not authorized by SUNMI);
- Do not modify or change the products without permission of SUNMI.
- The operating system of the product only supports official system update. If the user applies the third-party ROM or uses cracking way to modify the system file, there will be system instability, safety risk and security threat.

Disclaimer
Some details listed in this Manual might be different from actual products due to update on product, and the configurations of actual products shall take precedence. SUNMI reserves the right to the interpretation of the document, and reserves the right to modify the Manual without any notice in advance.

Name of Toxic and Harmful Substances and Content Identification Table

Part Name	Hazardous and noxious substances									
	Pb	Hg	Cd	Cr(VII)	PBB	PBDE	DEHP	DBP	BBP	DIBP
Circuit Board	×	○	○	○	○	○	○	○	○	○
Structural	○	○	○	○	○	○	○	○	○	○
Packaging	○	○	○	○	○	○	○	○	○	○

○ : Indicate that the contents of poisonous and harmful substances in all homogeneous material of the part are below the limitation requirement specified in SJ/T 11363-2006.

× : Indicate that the contents at least one poisonous or harmful substances in such homogeneous material of the part are beyond the limitation requirement specified in SJ/T 11363-2006; For components with "x" in the above table, the reason of content exceeding standard level is that there is no mature alternative technology in the industry at present.

Products which reach or exceed the environmental protection service life should be recycled in accordance with"Testing Methods for Regulated Substances in Electronic Information", and discarding carelessly is prohibited.

Package Contents

☑ Host×1
☑ User Guide x 1 (including Warranty Card and product certificate)
☑ Power Adapter x1, AC Power Cable x1
☑ 58mm print paper x1 (Printer Version)

Manufacturer: Shanghai Sunmi Technology Co.,Ltd.
Address: Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China

This product contains a button cell battery. If the button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children.

If the battery compartment dose not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATIONIS 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.

The user manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

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.

RF exposure: Please add instructions to the user to maintain a sepration of 20 cm from the device during operation.

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D2mini说明书
材质：128g哑粉纸
印刷：Pantone165C+Pantone orange 021C+4C
工艺：骑马钉
环保要求：RoHS