修改历史(REVISION HISTORY)				
	版本(REV.)	描述(DESCRIPTION)	日期(DATE)	批准(APPROVED BY)
	V1.0	文档设计	2020/10/13	
	V1.1	配置列表Front camera改成Rear camera	2021/01/21	
	V1.2	修正电压及环境温度	2021/06/07	

T650m智能POS终端 （T650m POS Terminal）

规格(Size) ： 240X140mm

材质(Material)： 120G双铜纸 （120G Double copper paper）

折法：
Folding method

Front 正面

Back 背面

Magnetic card reader	Support ISO7811 1/2/3track, bi-directional reading
Contactless card reader	Support ISO/IEC 14443 Type A&B、MIFare card, conform to qPBOC、PAYPASS and PAYWAVE standard
Rear camera	Professional camera with 1D/2D barcode fast recognition algorithm(optional)
Physical interface	USB OTG is compatible with USB2.0 HS standard SAM/SIM：1 x SAM、1 x SIM； or 2 x SIM 3.5mm headset jack
Indicator LED	4 contactless indicator LED (according to CUP definition), 1 twocolor charging indicator LED
Buzzer	Built-in buzzer, speaker, microphone
Scaner	2D Image Reader OR Laser Engine for high volume scanning, red laser aimer Support for Honeywell barcode scanning library, both Barcode and OCR scanning
GPS	Built-in GPS, support A-GPS, Glonass, Beidou
Connectivity	4G,compatible with 3G and 2G, Wi-Fi,Bluetooth
Power adaptor	Input：AC 100V～240V/50～60Hz/0.3~0.5A Output：DC 5V/2A
Environmental condition	Operating temperature：0℃～45℃ storage temperature：-20℃～70℃ Relative humidity：5%～90% (Non-condensing)

4.Instruction for installation and usage

4.1 Please use device under the specified voltage range, dont use too low or too high voltage.
4.2 Please make sure the connection is correct when connecting the device to the host.
4.3 Don't damage the cable, If the cable is damaged, please don't use it anymore.
4.4 Don't put the device in direct sunlight, high temperature, humidity, dusty or strong corrosive gas.
4.5 Put away from liquid, don't use the product where the water may wet or enter into it, don't operate the product with wet hand.
4.6 It is strictly prohibited to open the device without permission, otherwise the device will not be used, the consequence wil be at your own risk.
4.7 If the device fails, please contact maintenance person, user is not slowed to maintain the device.
4.8 Be sure to use the original battery or specified type of battery, otherwise it may cause the risk of explosion, prohibit the dismantling impact, extrusion, heating, short circuit or put into the fire, the battery is prohibited to use after soaking.
4.9 Pls remember to close the battery cover after replacing the battery.
4.10 It is strictly prohibited to charge and replace batteries in dangerous places.

Verifone POS Terminal User Manual

4.11 Adapter shall be installed near the equipment and shall be easily accessible
4.12 Caution: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
4.13 Please use Verifone verified power adaptor for battery charging; the temperature range under battery charging mode is 0℃ to 40℃(Over Temperature protection 40 ℃ ±3 ℃, under Temperature protection 0℃ ±3℃), the operating temperature range is 0℃ to 45℃. Do not operate and use the device outside the above temperature range, otherwise it may cause the risk of explosion.

5.Password anti-peep instruction

1. Using body or hand to block when entering the password to prevent it from peeping.
2. The monitor range should be as far as possible to avoid the placement of the device when installing the surveillance camera, so as to avoid the cardholder's password leakage.
3. Clients and merchants need to conduct routine inspection to ensure that the equipment has not been changed and there are no suspicious objects in the IC card slot.

6.Packing list

Serial No.	Name	Qty
1	T650m	1
2	User Manual	1
3	USB Cable	1
4	Power adaptor	1
5	T650m Dedaration of Conformity	1

Verifone Systems (China) Inc.reserves the right to change product technical specification without prior notice.

Verifone Systems (China) Inc.
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Fax:010-85869838
Service support Email:support_bjs@Verifone.com
Web site:www.verifone.com
Address:Room 301, ZhuoMing Plaza, No. 1069, South Huihe Street, Chaoyang District，Beijing，China

This product supports Receiver Category 2.
The device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

AT	BE	BG	HR	CY	CZ	DK	
EE	FI	FR	DE	EL	HU	IE	
IT	LV	LT	LU	MT	NL	PL	
PT	RO	SK	SI	ES	SE	UK	

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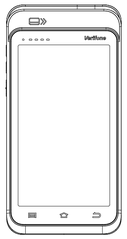
User Manual
support@verifone.cn

T650m POS Terminal



Verifone Systems (China) Inc.

Verifone POS Terminal User Manual

User Instruction

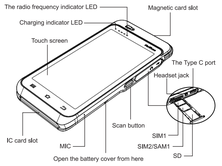
Thank you very much for choosing VERIFONE products, pls read this instruction before use so that you could know the performance deeply. Please keep this instruction for your reference if you have problem during use.

Our company will try best to adopt new technologies, new components, new software to improve products. Hence, we have right to change without notice. The feature, function and operation described in this instruction may be different from the performance of the selling products, in some cases, image is prototype devices. Pls inquiry our company or agent for appropriate document before using this instruction.

The device should be installed by after sale service person. Our company shall not be liable for any consequences arising from unauthorized changes to the equipment, replacement of the connected equipment and cables not as specified.

The Product Manual applies to Model T650m.

1.Basic configuration



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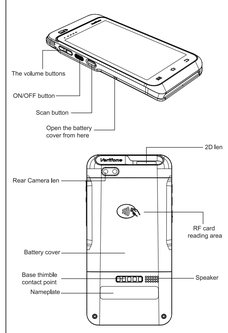

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2.User instruction

2.1 ON/OFF instruction
POWER ON: press " ⏻ " ON/OFF button for 3 seconds.
POWER OFF: press " ⏻ " ON/OFF button for 3 seconds and then press " power off " on the screen.
2.2 Magnetic card
Put the magnetic card into the magnetic card slot to read, magnetic side towards the LCD (refer to the sign for card identification, keep smooth, uniform when swiping the card.)
2.3 Contact IC card
Insert IC card into the IC card slot, the metal side towards keypad, please refer to card identification.
2.4 Contactless card
Put the contactless card near the contactless card reader zone on the device , and make contactless card transaction.
Put one contactless card every time to avoid conflict if putting more cards.
2.5 Charge
Connect the Type C cable to POStermianal,connect the other connector to 5V/2A power adaptor to charge.

3.Terminal specification

Item	Specification
Model Name	T650m
CPU	ARM Cortex-A7 quad core CPU
Memory	2G RAM+16G ROM Flash(Optionall 1G RAM+8G ROM)
Operating System	Android 7.x secure payment system
Display	5 inch IPS screen，resolution 1280*720
Extended storage	Micro SD card interface, maximum support 128GB
Password keypad	Built-in password keypad Conform to ANSI X9.8/ISO9564，ANSI X9.9/ISO8731 standard Support Master Key/Session Key，Fixed，DUKPT etc PIN protection technology Support DES，3DES，RSA，SHA-256 and AES etc algorithm
Touch Screen	Capacitive touch screen, support eviignature
IC card reader	1pc, conform to ISO7816，PBOC3.0 and EMV 4.2 LEVEL 1&2 standard

标记	处数	分 区	更改文件号	签名	日期
设 计			标准化		
审 核					
工 艺			批 准		

阶 段 标 记				重 量	比 例
					1：1
共 张			第 页		

Verifone

T650m-
说明书-双铜纸
-80x140-YSX

V1.2

FCC Warning

15.19 Labeling requirements.

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.

15.21 Information to user.

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

15.105 Information to the user.

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.

Absorption Rate (SAR) information:

This device meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement The SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. This device was tested for typical body-worn operations kept 10mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a appropriate separation distance between the user's body and the back of the device. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided. Use only the supplied or an approved antenna.

IC Warning

This device complies with Industry Canada’s licence-exempt RSSs. Operation is subject to the following two conditions:

(1)This device may not cause interference;

(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'Industrie Canada 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 brouillage est susceptible d'en compromettre le fonctionnement.

The information listed above provides the user with information needed to make him or her aware of a RF exposure, and what to do to assure that this radi o operates within the FCC exposure limits of this radio.

The device complies with RF specifications when the device used at 10mm from the body.Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna.