



Verifone, Inc.
1-800-Verifone
www.verifone.com

Electrical

Power Packs

Before you connect the terminal power pack to an electrical outlet, check that the on/off power switch on the terminal is off. If the terminal does not have an on/off switch, check that the power cable connector is removed from the terminal's power port. Or, when connecting the terminal to a power pack, always connect the plug of the power pack to an electrical wall outlet first. Then connect the power cable to the terminal's power port.

The power pack is rated as follows:

- Input Voltage: 100-240V AC, 50/60 Hz
- Output Voltage: 5V DC, 2A

This product is intended to be provided with a UL Listed Power Supply module having an output rating of minimum 5V DC, 2A, and Tma 50°C, Class II and DPU type, and evaluated as a limited power source or PS2 or equivalent.

IMPORTANT: See installation instructions before connecting the supply.

AC Adapter

The AC adapter is designed to ensure your safety and to be compatible with this equipment. Please follow these guidelines:

- Do not use the adapter in a high moisture environment. Never touch the adapter when your hands or feet are wet.
- Allow adequate ventilation around the adapter. Avoid locations with restricted airflow.
- Connect the adapter to a proper power source. The voltage and grounding requirements are found on the product case and/or packaging.
- Do not use the adapter if the cord gets damaged.
- Do not attempt to service the adapter. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

Peripherals

Before connecting any peripheral device, turn off power to the terminal and check that the power cable connector is removed from the terminal's power port. Turn on power only after you have finished connecting the peripheral device(s). For complete information about peripheral installation and use, please refer to the user documentation supplied with those devices.

Disconnecting Power

Disconnecting power during a transaction may cause transaction data files that are not yet stored in terminal memory to be lost.

Location - Electrical Considerations

CAUTION: Due to the risk of electric shock or damage to the terminal, do not use this equipment near a water source, for example near a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool. Likewise, avoid using this product during thunderstorms causing power cuts. Avoid placing the terminal near electrical devices or other units that could cause large voltage fluctuations or electrical interference, such as air conditioners, neon signs, high frequency safety devices or electrical equipment.

ATTENTION: Du fait d'un risque d'électrocution ou d'une détérioration du terminal, ne pas utiliser cet équipement près d'une source d'eau, par exemple près d'une baignoire, d'un lavabo, d'un évier de cuisine ou d'un bac de lavage, dans un sous-sol humide ou à proximité d'une piscine. De même, éviter d'utiliser ce produit lors des orages provoquant des coupures électriques. Éviter de placer le terminal à proximité d'appareils électriques ou autres unités pouvant entraîner des fluctuations de tension importantes ou des interférences électriques, tels que les climatiseurs, enseignes au néon, dispositifs de sécurité à haute fréquence ou équipements électriques.

Equipment

Repairs

Do not, under any circumstances, attempt any service, adjustments, or repairs on this equipment. Instead, contact your local Verifone distributor or service provider for assistance. Failure to comply may void the product warranty.

Location - Environmental Considerations

Do not use the terminal where there is high heat, dust, humidity, moisture, or caustic chemicals or oils. Keep the terminal away from direct sunlight and anything that radiates heat, such as a stove or a motor.

WARNING! Your POS terminal contains sensitive electronic components that can be permanently damaged if exposed to excessive shock or vibration. To minimize the risk of damage to your terminal, avoid dropping your terminal and operating it in high-shock and high-vibration environments. Do not store the terminal where prolonged exposure to extreme temperatures occur, because it can cause permanent damage. Do not expose the terminal to water. Contact with water can cause this unit to malfunction.

AVERTISSEMENT Votre terminal de point de vente contient des composants électroniques sensibles, susceptibles de subir des dommages définitifs en cas d'exposition à des chocs ou à des vibrations excessives. Pour minimiser le risque de dommages pour votre terminal, éviter de le faire tomber ou de l'exposer à des environnements pouvant provoquer des chocs et des vibrations excessives. Ne pas stocker le terminal dans des lieux susceptibles d'entraîner une exposition prolongée à des températures extrêmes, ou fait des dommages définitifs que cette situation peut provoquer. Ne pas exposer le terminal à l'eau. Un contact avec de l'eau peut provoquer un dysfonctionnement de l'unité.

Battery Pack/Coin Cell Instruction

Dispose of the battery pack in accordance with all national, state, and local laws and regulations as regionally required. Some batteries may be recycled and may be accepted for disposal at local recycling centers.

CAUTION: There is a risk of explosion if the battery is replaced by an incorrect type.

ATTENTION: Il existe un risque d'explosion si la batterie est remplacée par un modèle incompatible (UL request).

- Dispose of a battery into fire or a oven, or accidentally crushing or cutting of a battery, can result in an explosion.
- Leaving a battery in an extremely high temperature surrounding environment can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.

Battery Pack Protection Temperature Warning Statement

The highest specified charging temperature of the battery pack is 45+/-3°C.

The lowest specified charging temperature of the battery pack is 0+/-3°C.

Damage

Carefully inspect the shipping carton and its contents for any damage. If the unit or any product component appears damaged or to have been tampered with, immediately notify the shipping company and your Verifone distributor or service provider. Do not use a T650m unit that has been tampered.

Cleaners and Solvents

Never use thinner, trichloroethylene or ketone-based solvents to clean the T650m device, these may deteriorate plastic or rubber parts. Do not spray cleaners or other solutions directly onto the keypad or display. For best results, use a clean cloth dampened with water and mild soap. To remove stubborn stains, use alcohol or an alcohol-based cleaner.

Notice for Canada

ITERF Notice:

This device complies with Innovation, Science and Economic Development Canada license-exempt RSS standard(s). 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'Innovation, Science and Economic Development 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.
- (2) L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios.

Cet appareil et son antenne ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, exception faites des radios intégrées qui ont été testées.

The County Code Selection feature is disabled for products marketed in the USA/Canada.

La fonction de sélection de l'indicateur du pays est désactivée pour les produits commercialisés aux États-Unis et au USA/Canada.

This Class B digital apparatus complies with CAN ICES-003(B).

Cet appareil numérique de la classe B est conforme à la norme NMB-003(B) du Canada.

SAR Warning statement

Radiation Exposure Statement:

The product complies with the Canada portable RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

Déclaration d'exposition aux radiations:

Le produit est conforme aux limites d'exposition pour les appareils portables RF pour les États-Unis et le Canada établies pour un environnement non contrôlé.

Le produit est sûr pour un fonctionnement tel que décrit dans ce manuel. La réduction aux expositions RF peut être augmentée si l'appareil peut être conservé aussi loin que possible du corps de l'utilisateur ou que le dispositif est réglé sur la puissance de sortie la plus faible si une telle fonction est disponible.

Notice for ISBD WLAN:

(i)The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

(ii)Where applicable, antenna type(s), antenna model(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be indicated.

Avvertimento:

Gli espositi funzionanti nella banda 5150-5250 MHz sono riservati unicamente per una utilizzazione all'interno al fine di ridurre i rischi di brouillage pregiudicabile ai sistemi di satelliti mobili utilizzando le stesse canali.

(iii)Lorsqu'il y a lieu, les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au risque d'élevation, énoncés à la section 6.2.2.3, doivent être clairement indiqués.

Notice of Label Location

The label of our device will be affixed under the battery compartment for your reference.

T650m Certifications and Regulations

Verifone Part Number: DOC560-040-EN-A, Revision A



T650m Certifications and Regulations

FCC/ISED Compliance

The following device has been tested and certified as compliant with the regulation and guidelines set forth in Canada ISED Certification:

Manufacturer: Verifone, Inc.
Brand: Verifone
Model: T650m, T650m-2

Part 15 of FCC Rules

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. In the unlikely event that there is 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 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.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter. Use of a shielded interface cable is required to comply with the Class B limits of Part 15 of FCC Rules.

Any changes or modifications to this equipment not expressly approved by Verifone could void the user's authority to operate this equipment.

Note: The country code selection is for non-US models only and is not available to all the US models. Per FCC regulation, all Wi-Fi product markets in the US must fixed to US operation channels only.

Notice for Operating Frequency and Output Power

Feature	Model: T650m
NFC (dB µV/m at 10m)	Type A: <31.15, Type B: <31.15
2.4G WLAN (b/g/n): 2400-2483.5 MHz (EIRP dBm)	<20
5G WLAN (a/n/ac): 5150-5250/5250-5350/5470-5725 MHz (EIRP dBm)	<20
BT-EDR/LE (EIRP dBm)	<10
2G (dBm)	GSM850: <34, GSM900: <33, GSM1800: <30, GSM1900: <31
3G (dBm)	Band I: <22, Band VI: <24
4G (dBm)	Band 1/3/7/40: <24, Band 5/6/20: <25, Band 38/40/41: <25

Notice for WLAN

For CE WLAN: 5150-5350 MHz
This device is restricted for indoor usage in all member states when operating in the 5150 to 5350 MHz frequency range.

This equipment may be operated in:											
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 (NI)	IS	LI	NO	CH	TR	

For UK WLAN: 5150-5350 MHz
This device is restricted for indoor usage in UK when operating in the 5150 to 5350 MHz frequency range.

RF Exposure

USA

The product complies with the FCC portable RF exposure limit set forth for an uncontrolled environment and is safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available. The SAR limit set by the FCC is 1.6W/kg for body worn SAR and 4W/kg for extremity SAR. Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. This device has been tested and meets the FCC RF exposure guidelines be positioned a minimum of 0 cm from the body.

This device complies with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1992 and has been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013.

CE

This device complies with the Radio Equipment Directive (2014/53/EU) issued by the Commission of the European Community.

A minimum separation distance of 0 cm must be maintained between the user's body and the device, including the antenna during body-worn operation to comply with the RF exposure requirements in Europe. To comply with RF Exposure requirements in Europe, third-party belt-clips, holsters or similar accessories used by this device should not contain any metallic components. The use of accessories that do not satisfy these requirements may not comply with RF exposure requirements and should be avoided.

UK

This device complies with the Radio Equipment Regulations 2017 SI 2017/1206 issued by the British Standards Institution. A minimum separation distance of 5 cm must be maintained between the user's body and the device, including the antenna during body-worn operation to comply with the RF exposure requirements in UK. To comply with RF exposure requirements in UK, third-party belt clips, holsters or similar accessories used by this device should not contain any metallic components. The use of accessories that do not satisfy these requirements may not comply with RF exposure requirements, and should be avoided.

Operating Temperature

The product is designed to work at a maximum ambient temperature of 0°C and 45°C.

Notice for Product with Laser LED

- Wavelength: 650nm
- Beam divergence: Top view-36.5° / Side view-29°
- Pulse duration: Maximum 32ms
- Repetition rate: Maximum 100ms
- Maximum power or energy output: Maximum 1mW

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Manufacturer Info:
VERIFONE INC
SUITE 200 1400 W STANFORD RANCH RD ROCKLIN CA 95765 USA

Factory info:
CAL-COMP ELECTRONICS (THAILAND) PUBLIC CO.LTD
138 MOO 4, PETCHKASEM RD., SAPANG KOAW YOI-PETCHABURI 76140 THAILAND

Recycling: DO NOT DISCARD!

UNIT MUST BE RECYCLED OR DISPOSED OF PROPERLY.
For proper disposal instructions, go to <http://recycle.verifone.com/>.

continued on rear cover

Recyclage: NE PAS JETER!

L'unité doit être recyclée ou mise au rebut dans les endroits prévus à cet effet.
Pour connaître les procédures de mise au rebut, consultez le site <http://recycle.verifone.com/>.

suite au verso

Please retain this sheet for future reference.

À conserver pour référence ultérieure.



T650m Declaration of Conformity



DECLARATION OF CONFORMITY

according to ISO/IEC 17050-1 and 17050-2

This declaration of conformity is issued under the sole responsibility of the manufacturer

Manufacturer's Name

Verifone, Inc.

Manufacturer's Address

Verifone, Inc.
1400 West Stanford Ranch Road
Suite 200 Rocklin, CA 95765

Declares, that the product

Product Name:

T650

Model Name:

T650m

Part Number:

M56X-4XX-XX-XXX

SW Version:

01.000

NB Company Name:

Bay Area Compliance Labs Corp.

NB Company Number:

1313

Certification Number:

B2107214

Brand:

Verifone

Product Options:

All

Conforms to the following product specifications:

Safety:

IEC 62368-1:2014
IEC 62368-1:2018
EN 62368-1:2014 + A11:2017
EN 62368-1:2020 + A11:2020

EMC:

EN 55032:2015/A11:2020
EN 61000-3-2:2019
EN 61000-3-3:2013/A1:2019
EN 55035:2017/A11:2020

RF (WIFI/BT):

EN 301 489-1 V2.2.3
EN 301 489-17 V3.2.4
EN 300 328 V2.2.2
EN 301 893 V2.1.1

RF (2G/3G/4G):

EN 301 489-1 V2.2.3
EN 301 489-34 V2.1.1
Draft EN 301 489-52 V1.1.2
EN 301 511 V12.5.1
EN 301 908-1 V13.1.1
EN 301 908-2 V13.1.1
EN 301 908-13 V13.1.1
ETSI TS 151 010-1 V12.3.0
ETSI TS 134 121-1 V16.2.0
ETSI TS 136 521-1 V16.8.1

RF (RFID):

EN 301 489-1 V2.2.3
EN 301 489-3 V2.1.1
EN 300 330 V2.1.1

RF (GPS):

EN 301 489-1 V2.2.3
EN 301 489-19 V2.1.1
EN 303 413 V1.2.1

SAR:

EN 50663:2017
EN 50364:2018
EN 62479:2010
EN 50566:2017

Supplementary Information:

We hereby declare that the device complies with the requirements of the Radio Equipment Directive 2014/53/EU. This product carries the CE Mark per Directive 93/68/EEC and conforms to RoHS Directive 2011/65/EU and delegated Directive (Annex II) 2015/863/EU, as well as Technical Documentation: EN IEC 63000:2018 and DIN EN IEC 63000:2018.

CE Approval Date: August 10, 2021

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