



# M425 and M450 Certifications and Regulations

## Electrical

### External Power Supply

Please ensure you review the power output of any device you connect to the M425-1 and M450-1. Models M425-1 and M450-1 are intended to be provided with an appropriately certified power module suitable for the destination country with an output rating of 12V DC, 1.5A, Tma 50°C, Class II and evaluated as a Limited Power Source/Class 2 transformer, output rated SELV, non-energy hazardous. Suitability of the power module subject to auditing agency's discretion.

### Location – Electrical Considerations

**CAUTION:** Due to risk of electrical shock or unit damage, do not use the unit near water, including a bathtub, washbowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool. Also, avoid using this product during electrical storms. Avoid locations near electrical appliances or other devices that cause excessive voltage fluctuations or emit electrical noise (for example, air conditioners, neon signs, high-frequency or magnetic security devices, or electric motors).

**ATTENTION:** *Doit être évité d'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

### Location – Environmental Considerations

This device is for indoor use only. Do not operate the device outdoors it is not waterproof or dustproof. Any damage to the unit from exposure to rain or dust may invalidate the product warranty. Do not use the device where there is high heat, dust, humidity, moisture, or caustic chemicals or oils. Keep the device away from direct sunlight and anything that radiates heat, such as a stove or a motor.

**WARNING!** Your device contains sensitive electronic components that can be permanently damaged if exposed to excessive shock or vibration. To minimize the risk of damage to your device, avoid dropping your device and operating it in high-shock and high-vibration environments. Do not store the device where prolonged exposure to extreme temperature can occur because it can cause permanent damage. Do not expose the device 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, évitez 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, du 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.*

## 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.

## Notice for WLAN

### For CE WLAN: 5150-5350 MHz

This device is restricted for indoor use only when operating in the 5150 to 5350 MHz frequency range.

### For UK WLAN: 5150-5350 MHz

This device is restricted for indoor use in UK 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 ISED:

(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 clearly indicated.

### Avertissement:

(i) Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.  
(ii) Lorsqu'il y a lieu, les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les piles angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élevation, énoncée à la section 6.2.2.3, doivent être clairement indiqués.

## Coin Cell Instruction

Dispose of the coin cell 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).*

- Disposal of a battery into a fire or a hot oven, or mechanically 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 leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure may result in an explosion or leakage of flammable liquid or gas.

## M425 and M450 Certifications and Regulations

DOC391-004-EN-A, Revision A



## FCC/ISED Compliance

The following product has been tested and certified as compliant with the regulations and guidelines detailed below:

Manufacturer: VeriFone, Inc.

Brand: Verifone

Models: M425-1 and M450-1

## Part 15 of FCC and ISED Rules

This device complies with the limits for a Class B digital device as specified in Part 15 of FCC Rules and Innovation, Science and Economic Development Canada license-exempt RSS standard(s) which provides reasonable protection against harmful interference in a residential area. Operation is subject to the following two conditions:

- 1 This device may not cause harmful interference.
  - 2 This device must accept any interference received, including interference that may cause undesired operation.
- This equipment generates and uses 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 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 with the dealer or ask 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.

"Only indoor operation, operation onboard an aircraft, a ship or a satellite is prohibited."

*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.*

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

*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.

*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.*

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

This Class B digital apparatus complies with Canadian ICES-003.

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

## Notice for Operating Frequency and Output Power

Feature	M425-1 and M450-1
NFC (dB µA/m at 10m) 13.56 MHz	<10 dB µA/m
2.4G WLAN: 802.11b/g/n (EIRP dBm) 2412-2472 MHz	<20
5G WLAN: 802.11a/n20/n40 (EIRP dBm) 5180-5240 MHz; 5260-5320 MHz; 5500-5700 MHz	<20
BT-EDR/LE (EIRP dBm) 2402-2480 MHz	<14 dBm

## SAR Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. To comply with Council Recommendation Radio Equipment 2014/35/EU, UK Radio Equipment Regulations 2017 SI 2017/1206, ISED RSS-102 and FCC RF exposure requirement, a minimum separation distance of 20 cm must be maintained between the user's body and the device, including the antenna. Conditions that do not meet these requirements may not comply with Council Recommendations 2014/35/EU, UK Radio Equipment Regulations 2017 SI 2017/1206, ISED RSS-102, and FCC RF exposure requirements and should be avoided.

*Cet équipement est conforme aux limites FCC d'exposition aux radiations définies pour un environnement non contrôlé. Pour se conformer à la Recommandations du Conseil 2014/35/EU, UK Règlement sur les équipements radio 2017 SI 2017/1206, ISED RSS-102, et l'exigence d'exposition RF de la FCC, une distance minimale de séparation de 20 cm doit être maintenue entre le corps de l'utilisateur et le dispositif, y compris l'antenne. Des conditions qui ne répondent pas à ces exigences peut ne pas se conformer à Recommendations du Conseil 2014/35/EU, UK Règlement sur les équipements radio 2017 SI 2017/1206, ISED RSS-102, et FCC RF exigences d'exposition et doit être évitée.*

## 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.



# M425 and M450 Declaration of Conformity



## DECLARATION OF CONFORMITY

according to EN 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 150 Rocklin, CA 95765

Declares, that the product

<b>Product Name:</b>	M425	M450
<b>Model Number:</b>	M425-1	M450-1
<b>Part Number:</b>	M391-XXX-XX-X	M390-XXX-XX-X
<b>Brand:</b>	Verifone	
<b>Product Options:</b>	All	

Conforms to the following product specifications:

Regulatory Requirement	Standards	M425-1 and M450-1
<b>Safety:</b>	IEC 62368-1:2018 EN 62368-1:2020 + A11:2020 IEC 62368-1:2014 EN 62368-1:2014 + A11:2017	X
<b>EMC:</b>	EN 61000-3-2:2014, Class A EN 55032:2015 + A11:2020, Class B EN IEC 61000-3-2:2019 + A1:2021, Class A EN 61000-3-3:2013 + A2:2021 EN 55035:2017/A11:2020	X
<b>RF (RFID):</b>	EN 301 489-1 V2.2.3 EN 301 489-3 V2.1.1/V2.3.2 EN 300 330 V2.1.1	X
<b>RF (Wi-Fi/BT):</b>	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 EN 300 440 V2.2.1	X
<b>SAR:</b>	EN 62311:2008 EN 62311:2020 EN 50663:2017 EN 62479:2010 EN 62209-2:2010 + A1:2019 IEC 62209-2:2010 + AMD 1:2019	X

### 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, including Technical Documentation: EN IEC 63000:2018 and DIN EN IEC 63000:2018.

CE Approval Date: June 09, 2023

Thomas Weikart  
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Coral Springs, FL 33065

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Seilerweg, 2F, Bad Hersfeld  
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Tel: +49 6621 84-500

# M425 and M450 Declaration of Conformity



## DECLARATION OF CONFORMITY

according to EN 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 150 Rocklin, CA 95765

Declares, that the product

<b>Product Name:</b>	M425	M450
<b>Model Number:</b>	M425-1	M450-1
<b>Part Number:</b>	M391-XXX-XX-X	M390-XXX-XX-X
<b>Brand:</b>	Verifone	
<b>Product Options:</b>	All	

Conforms to the following product specifications:

Regulatory Requirement	Standards	M425-1 and M450-1
<b>Safety:</b>	BS EN 62368-1:2014 + A11:2017 BS EN IEC 62368-1:2020 + A11:2020	X
<b>EMC:</b>	BS EN 55032:2015/A11:2020, Class B BS EN 61000-3-2:2014, Class A BS EN IEC 61000-3-2:2019 + A1:2021, Class A BS EN 61000-3-3:2013 + A2:2021 BS EN 55035:2017	X
<b>RF (RFID):</b>	EN 301 489-1 V2.2.3 EN 301 489-3 V2.1.1/V2.3.2 EN 300 330 V2.1.1	X
<b>RF (Wi-Fi/BT):</b>	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 EN 300 440 V2.2.1	X
<b>SAR:</b>	EN 62311:2008 EN 62311:2020 EN 50663:2017 EN 62479:2010 EN 62209-2:2010 + A1:2019 IEC 62209-2:2010 + AMD 1:2019	X

### Supplementary Information:

We hereby declare that the device complies with the requirements of the Radio Equipment Regulations 2017 (S.I. 2017/1206). This product carries the UKCA Mark, and conforms to the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (S.I. 2012/3032).

UKCA Approval Date: June 09, 2023

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