



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

e280 Certifications and Regulations

Electrical

Separate Power Sources

This product is designed to accept most USB wall power charges from consumer electronic devices to charge an attached handset. Please ensure you review the power output of any device you connect to the e280s V2/e280 DB.
NOTE: The reference input power rating for the e280s V2/e280 DB is 5V DC, 1A.
Model e280s V2/e280 DB is intended to be provided with a Listed Power Supply module having an output rating of minimum 5V DC, 1A, and Tma 50°C, and is evaluated as a Limited Power Source or PSE or equivalent.

Location – Electrical Considerations

WARNING! This device contains sensitive electronic components that can be permanently damaged if exposed to excessive shock, electrical interference or vibration.
AVERTISSEMENT! Cet appareil contient des composants électroniques sensibles qui peuvent être endommagés de façon permanente si elle est exposée à des chocs excessifs, des interférences électriques ou des vibrations.
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 a 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 may 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

Location – Environmental Considerations

This device is for indoor use only. Do not plug the power pack into an outdoor outlet or operate the terminal outdoors. The terminal is not waterproof or dustproof and should not be used outside the normal operating temperature range. Any damage to the unit from exposure to water or dust may void your warranty.
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 temperature can 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, 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 device. Instead, contact your local Verifone distributor or service provider for assistance. Failure to comply may void the product warranty.

Battery Pack/Coïn Cell

The battery is embedded and NOT user replaceable. 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. Please contact your local Verifone distributor or service provider for assistance. Failure to comply may void the product warranty.
CAUTION: There is 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.
• Disposal of a battery into 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 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.

The highest specified charging temperature of battery pack is 50+/-3°C.
The lowest specified charging temperature of battery pack is 3+/-3°C.

Product ID Label Location

For easy reference and scanning, Verifone includes a QR code on the side of the device. Additionally, Verifone includes a printed paper label affixed to the metal frame just inside the plastic back cover. To view this label, use a fingernail in the corner slot to carefully remove the plastic back cover. After that, press the plastic back cover to assemble back.

Notice for WLAN

For CE WLAN: 5150-5350 MHz
This device is restricted for indoor use only while 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.

For ISCED:
(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.

Avvertissement:
(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.

FCC/ISED Compliance

The following device has been tested and certified as compliant with the regulations and guidelines as detailed below:
Manufacturer: Verifone, Inc.
Brand: Verifone
Model: e280s V2, e280 DB

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 which provide reasonable protection against harmful interference in a residential installation. This device complies with Part 15 of the FCC Rules and 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 harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.
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 except for some. Per FCC regulation, all Wi-Fi product markets in the US must be fixed to the US operation channels only. The County Code Selection feature is disabled for products marketed in the USA/Canada.
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) Cet appareil ne doit pas provoquer d'interférences nuisibles.
(2) Cet appareil doit accepter toutes les interférences reçues, y compris les interférences susceptibles de provoquer un fonctionnement indésirable.
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'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.

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.
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.

ISED

The product complies with the Canada portable RF exposure limit set forth for an uncontrolled environment and are 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.
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.

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 0mm must be maintained between the user's extremity, including the antenna during extremity 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 0mm must be maintained between the user's extremity, including the antenna during extremity 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.

Brazil Only

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

Notice for Operating Frequency and Output Power

Feature	e280s V2/e280 DB
NFC (dB µA/m at 10m), 13.56 MHz	8.24
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

Operating Temperature

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

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.

e280 Certifications and Regulations
Verifone Part Number: DOC087-605-EN-A, Revision A03



À conserver pour référence ultérieure.

e280 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

Product Name: e280
Model Name: e280s V2, e280 DB
Part Number: M087-6XX-XX-XXX
Brand: Verifone
Product Options: All

Conforms to the following product specifications:

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

EMC: EN 55032:2015 + A11:2020, Class B
EN 61000-3-2:2014, Class A
EN IEC 61000-3-2:2019 + A1:2021, Class A
EN 61000-3-3:2013
EN 61000-3-3:2013 + A2:2021
EN 55035:2017 + A11:2020

RF (RFID): Draft EN 301 489-1 V2.2.0
Final Draft EN 301 489-3 V2.1.1
EN 300 330 V2.1.1

RF (Wi-Fi/BT): Draft EN 301 489-1 V2.2.0
Draft EN 301 489-17 V3.2.0
EN 300 328 V2.2.2
EN 301 893 V2.1.1

SAR: EN 50566:2017
EN 50663:2017
EN 62311:2008
EN 62209-2:2010/IEC 62209-2:2010
EN 62479:2010

Supplementary Information:

We hereby declare that this device complies with the requirements of the Radio Equipment Directive 2014/53/EU. This product carries the CE Mark Directive 93/68/EEC, and conforms to the 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: June 21, 2022

Thomas Weikart
EVP, Global Operations,
2744 North University Drive,
Coral Springs, FL 33065

European contact for regulatory topics only:

Verifone Holding GmbH
Seilerweg, 2F, Bad Hersfeld
36251, Germany
Tel: +49 6621 84-500

e280 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

Product Name: e280
Model Name: e280s V2, e280 DB
Model Number: M087-6XX-XX-XXX
Brand: Verifone
Product Options: All

Conforms to the following product specifications:

Safety: BS EN 62368-1:2014 + A11:2017
BS EN IEC 62368-1:2020 + A11:2020

EMC: BS EN 55032:2015 + A11:2020, Class B
BS EN IEC 61000-3-2:2019 + A1:2021, Class A
BS EN 61000-3-3:2013 + A2:2021
BS EN 55035:2017 + A11:2020

RF (RFID): Draft EN 301 489-1 V2.2.0
Final Draft EN 301 489-3 V2.1.1
EN 300 330 V2.1.1

RF (Wi-Fi/BT): Draft EN 301 489-1 V2.2.0
Draft EN 301 489-17 V3.2.0
EN 300 328 V2.2.2
EN 301 893 V2.1.1

SAR: EN 50566:2017
EN 50663:2017
EN 62311:2008
EN 62209-2:2010/IEC 62209-2:2010
EN 62479:2010

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 29, 2022

Thomas Weikart
EVP, Global Operations,
2744 North University Drive,
Coral Springs, FL 33065

UK contact for regulatory topics only:

Verifone UK Ltd.
3 Roundwood Avenue
Stockley Park
Uxbridge, UB11 1AF, UK