



CASTLES TECHNOLOGY

S1P POS Terminal

Book 2

User Manual

S1P

Version 1.0

May. 2023

CRT-S1-21-02-V1.0-CE-RCM-CB-FCC-IC-UL

Castles Technology Co., Ltd.

6F, No. 207-5, Sec. 3, Beixin Rd., Xindian District,
New Taipei City 23143, Taiwan R.O.C.

<http://www.castech.com.tw>

WARNING

Information in this document is subject to change without prior notice.

No part of this publication may be reproduced, transmitted, stored in a retrieval system, nor translated into any human or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual, or otherwise, without the prior written permission of **Castles Technology Co., Ltd.**

All trademarks mentioned are proprietary to their respective owners.

Revision History

Version	Date	Descriptions	Author
1.0	2023.05.03	Initial creation.	Dustin
1.1	2023.07.12	Add FCC/IC/UL Modify temperature from 45 to 50 degrees C	Dustin
1.2	2023.07.27	Modify temperature from 50 to 40 degrees C	Dustin

Contents

1. Introduction.....	5
2. Hardware Setup.....	6
2.1. Parts of the Terminal	6
2.2. Insert SAM Card	8
2.3. Insert GSM SIM Card	9
2.4. Insert Micro SD Card	10
3. Appendix	11
3.1. CB	11
3.2. FCC.....	12
3.3. IC.....	13
3.4. UL / IEC 62368-1.....	14

1. Introduction

This document provides a guideline for operating and configuring Castles S1P terminal.

The scope of this document includes setting up the terminal, basic operation, application lifecycle, and some advanced features.

Regulatory instruction of usage

- Before using the terminal, please check has it been disassembled, modified, or showed abnormal situation. If yes, please do not use.
- Please stay away from strong electromagnetic waves.
(Example) Microwave ovens, magnets, shoplifting prevention devices, high-voltage wires, automatic doors, communication antennas, etc.
- Condensation can occur when moving from a cold place to a warm place. If condensation occurs, do not use the unit until the connected water droplets evaporate.
- Static electricity may occur in some places (such as where you use a carpet).
- Please do not leave it in the sun for a long time.
- Please operate the unit carefully as it is a precision instrument. Do not apply impact, drop or heavy objects on top of the unit.
- Do not attach dust, oil, etc. to a part of the power terminal. Also, please do not scratch.
- This device requires connection to AC power for operation and is for installation in a fixed POS system only(>20cm).

2. Hardware Setup

2.1. Parts of the Terminal

Front



- 1. Front camera
- 2. LCD display
- 3. Keypad
- 4. Contactless Card
Landing Zone

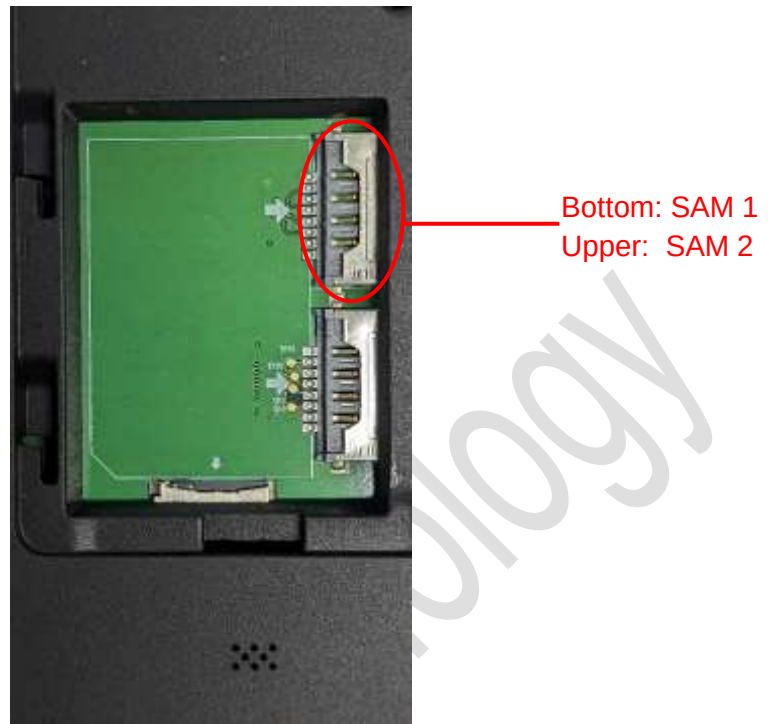
- 5. Magnetic Stripe Reader
- 6. Smart Card Reader

Rear



- 7. Back cover
- 8. Speaker
- 9. Product label
- 10. port for power cable and transmission cable
- 11. SAM slots 1-2
- 12. GSM SIM card slots 1-2
- 13. Micro SD Card Slot

2.2. Insert SAM Card

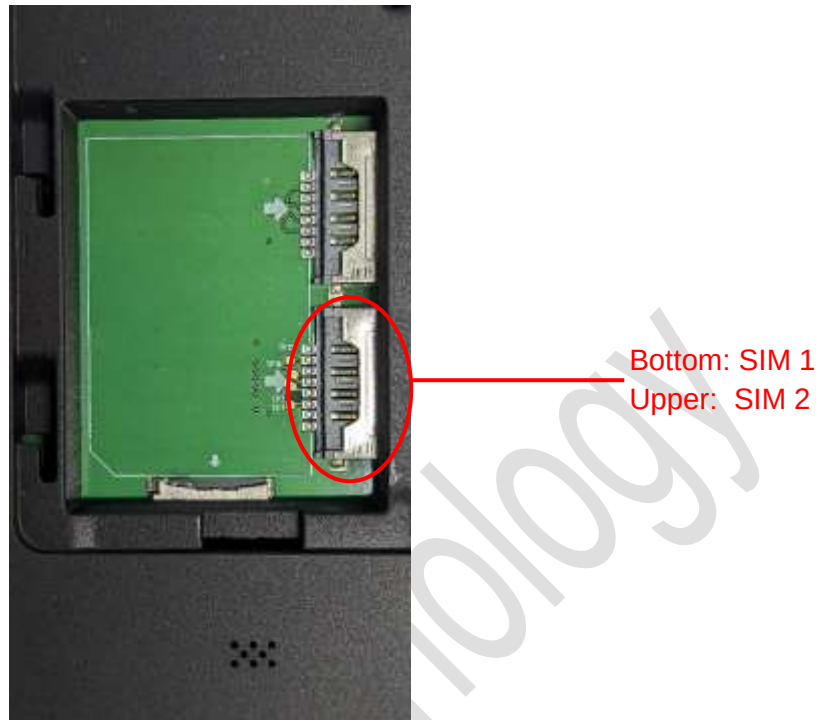


Step 1: Remove the back cover.

Step 2: Insert SAM card into the desired slot.

Step 3: Reverse the operation of step 1 to install the back cover.

2.3. Insert GSM SIM Card



Step 1: Remove the back cover.

Step 2: Insert SIM card into the desired slot.

Step 3: Reverse the operation of step 1 to install the back cover.

2.4. Insert Micro SD Card



Step 1: Remove the back cover.

Step 2: Place the Micro SD memory card.

Step 3: Reverse the operation of step 1 to install the back cover.

3. Appendix

3.1. CB

- **Warning:**

Power cord shall be connected to a socket-outlet with earthing connection.

- **Warning:**

Risk of explosion if battery is replaced by an incorrect type. Dispose of expended battery in accordance with local disposal regulations.

- **Warning:**

This product is intended to be supplied by a Listed Power Adapter "L.P.S." (Or "Limited Power Source") and is rated at 12 Vdc, 1 A min., Tma = 40 degrees C.

3.2. FCC

Federal Communication Commission Interference Statement

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.

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 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.

FCC Caution:

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Note: The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only.

3.3. IC

Industry Canada statement

This device complies with ISED's licence-exempt RSSs. 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. Le présent appareil est conforme aux CNR d'ISED applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

Caution : *(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.*

Avertissement: *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.*

Radiation Exposure Statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20cm entre le radiateur et votre corps.

3.4. UL / IEC 62368-1

- **Warning:**

Power cord shall be connected to a socket-outlet with earthing connection.

- **Warning:**

Risk of explosion if battery is replaced by an incorrect type. Dispose of expended battery in accordance with local disposal regulations.

- **Warning:**

This product is intended to be supplied by a Listed Power Adapter "L.P.S." (Or "Limited Power Source") and is rated at 12 Vdc, 1 A min., Tma = 40 degrees C.

- **Attention:**

le cordon d'alimentation doit être branché sur une prise secteur avec mise à la terre.

- **Attention:**

Risque d'explosion si la batterie est remplacée par une de type incorrect Éliminer la pile usagée conformément à la réglementation locale en vigueur.

- **Attention:**

Le produit est destiné à être alimenté par un adaptateur secteur répertorié « L.P.S. » (ou "Source d'alimentation limitée") et est évalué à 12 Vdc, 1 A min., Tma = 40 degrés C.

~ END ~