



CASTLES TECHNOLOGY

S1F3 POS Terminal

Book 2

User Manual

S1F3CT

Version 1.0

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CRT-S1-31-02-V1.0-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>

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Revision History

<i>Version</i>	<i>Date</i>	<i>Descriptions</i>	<i>Author</i>
1.0	2025.05.08	Initial creation.	Yao

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1. Introduction

This document provides a guideline for operating and configuring Castles S1F3CT 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.

2. Hardware Setup

2.1. Parts of the Terminal

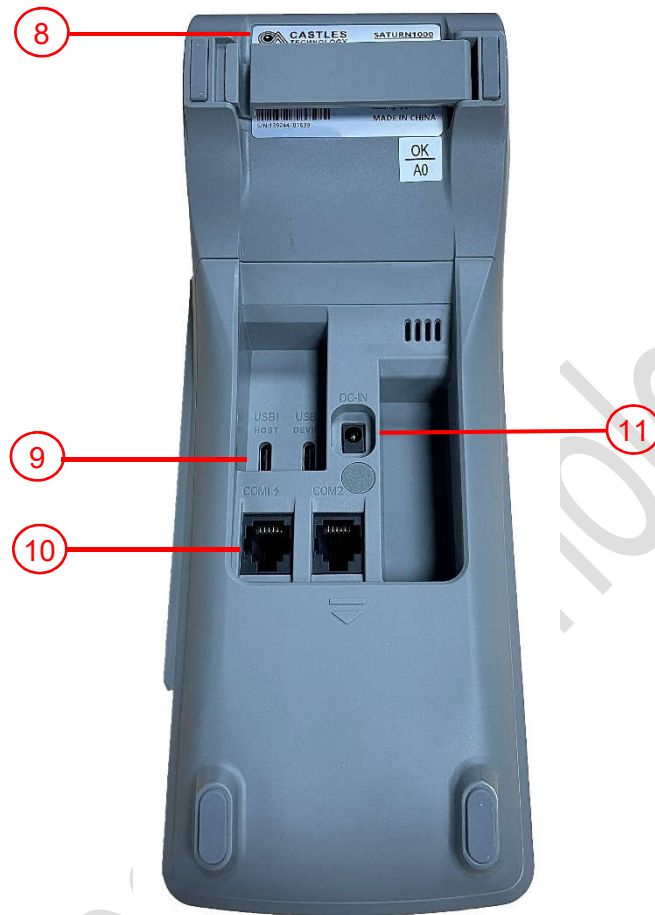
Front



1. Paper Roll Cover
2. Front Camera
3. LCD Display (5.45")
4. Smart Card Reader
5. Contactless Card Landing Zone

6. LED indicator
Green light: Battery fully charged
White light: Battery charging
function activated (Power on)
Red light: Battery charging detect
7. Magnetic Stripe Reader

Rear



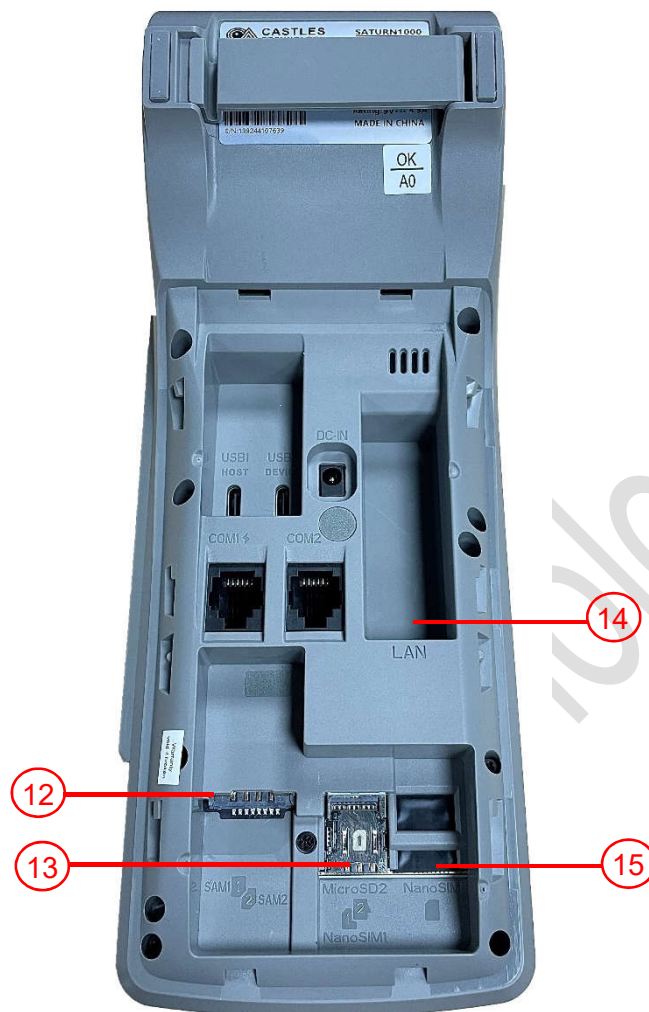
8. Product Label

9. USB type-C Slots (USB1 Host 5V 500ma load, USB2 Device no load)

10. COM Ports (COM1 9V 1A load, COM2 no load)

11. DC Jack

Rear



12. SAM Card Slots*2

13. Micro SD Card Slots*1(Upper layer), Nano SIM Card Slot*1(Bottom layer)

14. LAN Port

15. Nano SIM Card Slot*1

Left side



16. Paper Roll Cover Handle

17. Power Button

18. Headphone Jack

2.2. Insert SAM Card



Step 1: Push down to remove the back cover.

Step 2: Insert SAM card into the desired slot.



SAM 1 & 2:

SAM 1 is on the upper layer, SAM 2 is on the bottom layer.
Gold contact is facing down.

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

2.3. Insert Nano SIM Card



Step 1: Push down to remove the back cover.

Step 2: Insert Nano SIM card into the desired slot.



Nano SIM 1 is on the left part of bottom layer, Nano SIM 2 is on the right part. Gold contact is facing down.

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

2.4. Insert Micro SD Card



Step 1: Push down to remove the back cover.

Step 2: Insert Micro SD card into the desired slot.



Micro SD card is on the upper layer. Gold contact is facing down.

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

2.5. Insert Paper Roll



Step 1: Pull up the paper roll box cover, handles are on the both side of the cover.

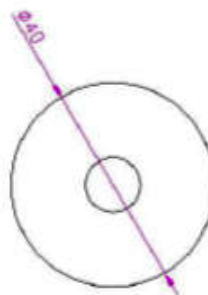
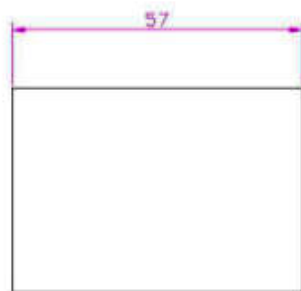
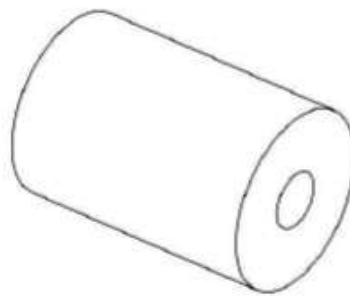
Step 2: Put the paper roll in the compartment. Make sure the beginning of the paper roll is on the right side.

Step 3: Reverse the step 1 to close paper roll cover.

Paper specification

Width: 57mm

Outside diameter: 40mm



3. Appendix

3.1. 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.

3.2. 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.

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.

The device is restricted to indoor use only when operating in the 5150 to 5250 MHz frequency range.

L'appareil est réservé à l'intérieur seulement lorsqu'il fonctionne dans la gamme de fréquences 5150 à 5250 MHz.

3.3. 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 9 Vdc, 4.5 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 9 Vdc, 4.5 A min., Tma = 40 degrés C.

~END~