

SERVICE MANUAL

SD-3100 ESL SD CARD

SD-3100

Tentative Edition

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DIGI®

The material contained in this document is proprietary and for information only and is subject to change without notice. Teraoka Weigh-System assumes no responsibility for any errors or damages arising from misinterpretation of any procedure.

Screen displays, operating procedures and supporting features might vary with different software version releases.

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Singapore 159088**

ii) Safety Information

The operator of the equipment shall comply with the safety and warning indications and procedures outlined in this document. Teraoka Weigh-System Pte Ltd assumes no responsibility or liability for failure to comply with these requirements.

- Repair and servicing of product, shall only be carried out by trained and qualified personnel.

Disclaimer:

Specifications are subject to change without notice. All dimensions shown are approximate. Please be aware that Teraoka has indicated that its hardware and software used in the product may require additional updates in the future as our product is continually under development. The need for such updates most likely applies to the Printer software.



CAUTIONS:

FOR PLUGGABLE EQUIPMENT, THAT THE SOCKET-OUTLET SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.

**POUR LE MATÉRIEL RACCORDÉ PAR PRISE DE COURANT, LE SOCLE DE PRISE DE COURANT DOIT ÊTRE
INSALLÉ À PROXIMITÉ DU MATÉRIEL ET DOIT ÊTRE AISÉMENT ACCESSIBLE.**

FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.

**POUR NE PAS COMPROMETTRE LA PROTECTION CONTRE LES RISQUES D'INCENDIE,
REPLACER PAR UN FUSIBLE DE MÊME TYPE ET DE MÊME CARACTÉRISTIQUES
NOMINALES.**

DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISCARD USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS

**IL Y A DANGER D'EXPLOSION S'IL Y A REMPLACEMENT INCORRECT DE LA BATTERIE.
REPLACER UNIQUEMENT AVEC UNE BATTERIE DU MÊME TYPE OU D'UN TYPE
RECOMMANDÉ PAR LE CONSTRUCTEUR. METTRE AU RÉBUT LES BATTERIES USAGÉES
CONFORMÉMENT AUX INSTRUCTIONS DU FABRICANT.**

iii) Safety Regulations



Federal Communication Commission Interference Statement

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 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.

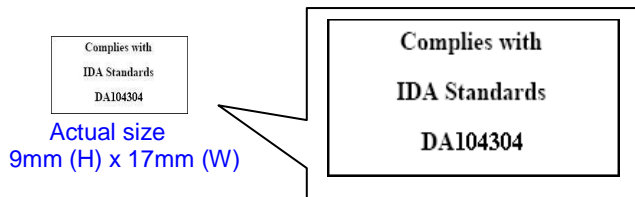
IMPORTANT NOTE:
FCC Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for a portable uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements:

- 1) Please do not attach any decorative components with metal parts to this equipment.
- 2) The antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

IDA Compliance Statement: (Singapore)

This equipment registered to comply with IDA (Info-Communications Development Authority of Singapore) Standard under Dealer's Class License.



Industry Canada statement:

This device complies with RSS-210 of the Industry Canada 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.

IMPORTANT NOTE:

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. To maintain compliance with IC RF exposure compliance requirements, please follow operation instruction as documented in this manual.

For Taiwan 警語:

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾

1. General

1.1 Model Specification

Model	:	SD-3100
Dimension (in mm)	:	36.0mm X 24.0mm X 2.1mm
Weight	:	10g
Operating Temperature	:	0 °C to +40 °C
Humidity	:	85% Max. Non-condensing
IP Rating	:	
Power Source	:	External : NA
	:	Internal : Unitech PA500 SDIO slot

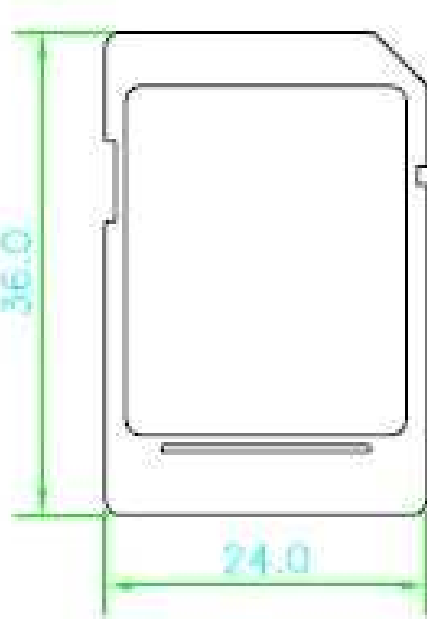
2.1 Dimension (in mm)

2.1.1 InfoPad (with protective rubber cover)

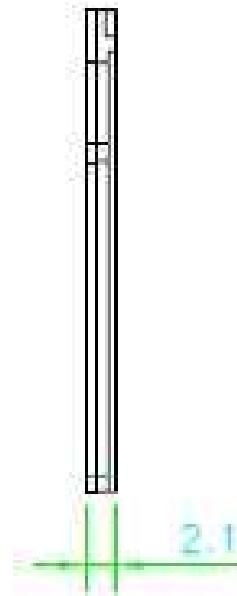


2.1.2 SD-3100 (ESL SD CARD)

Top View



Side View



2.2 Overall Layout

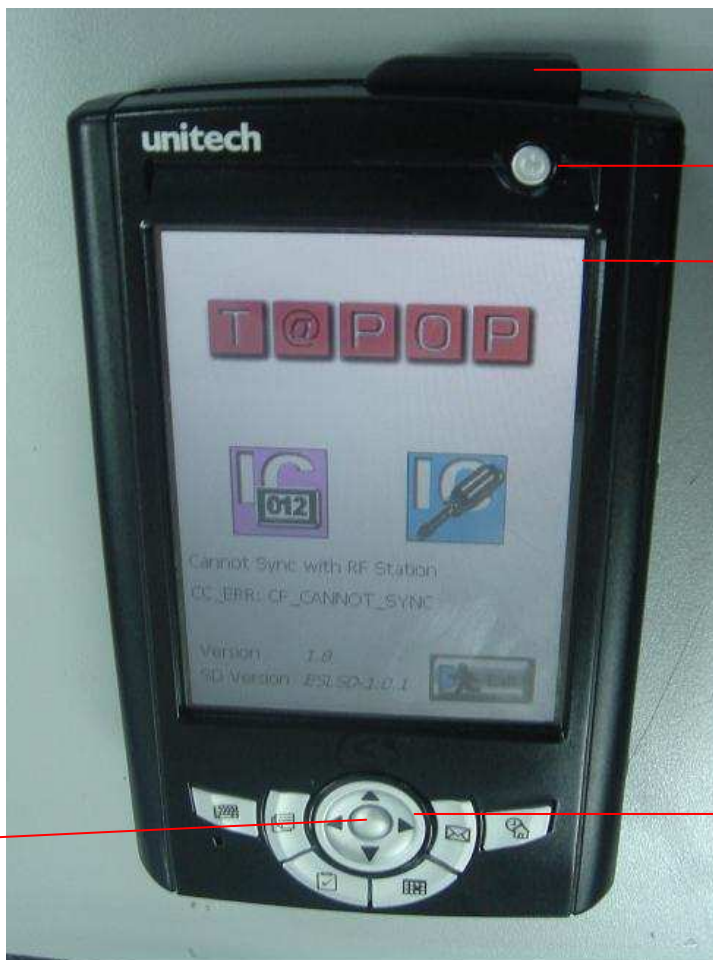
Rear View



Side View



2.3 Key button Layout




Protecting rubber cover

Power Key

Display
(With Touch Screen)

Enter Key

Cursor Key

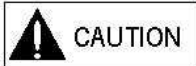
Key	Meaning
	<ul style="list-style-type: none"> On/Off key. Use this key to turn the power to the equipment on or off (This key is called the "POWER" key in this document).
ENT	<ul style="list-style-type: none"> "Enter" key. Use this key to confirm and execute operations.
Cursor keys	<ul style="list-style-type: none"> Use these keys to move the cursor in the desired direction.
Display	240x320 QVGA Colour Transflective TFT & Touch Screen & Backlight
Protecting cover	To secure the SD-3100 from damage due to drop test

Touch panel operation:

The equipment has a touch panel display. Tapping on the screen has the same effect as left tapping with the mouse.

Method of screen tapping is explained below.

Notation	Meaning
Tap	<ul style="list-style-type: none"> Similar to left tapping a mouse. Denotes "touching" a point on the screen. This is done to execute an operation.
Double tap	<ul style="list-style-type: none"> Corresponds to double tapping a mouse. Denotes "double touching" a point on the screen. This is done to run a program.



When tapping the screen, use your finger or a dedicated accessory stylus (a pen for tapping). Do not use a tool with a sharp edge in place of the dedicated stylus, as this may damage the panel.

2.4 Location of Magnet Area

- i. InfoPad Magnet Area is for activation of reed switch in RF receiver modules for DIGI proprietary communication purpose.
- ii. InfoPad Magnet Area & Price Tag Magnet Key Area normally is used for InfoPad printing sticker for selected tag item through the wireless sticker printer.



**InfoPad
magnet
location**





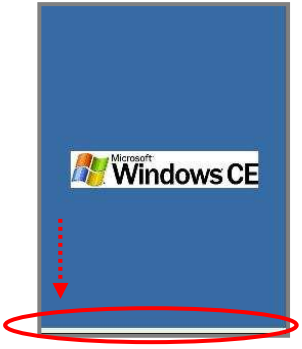


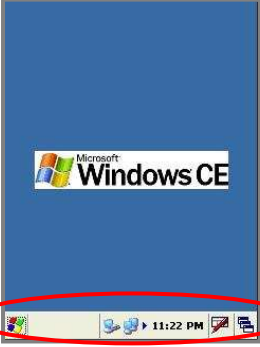


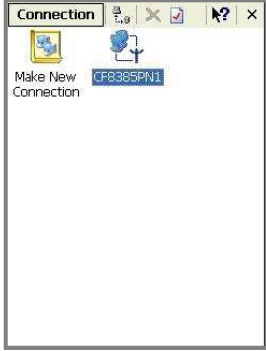
Price Tag Magnet Key Area

2.5 InfoPad IP Address And Configuration Setting

2.5.1 InfoPad Wireless IP Address Setting

InfoPad is required to set the IP Address for identified in ESL system network communication.

Procedure	Picture
<p>1) Press  button to power on the InfoPad.</p>	
<p>2) In the Info Cast main screen, touch [Exit] button.</p>	
<p>3) When the password required message appear, enter the correct password and touch [OK].</p> <p>Note: - Default password is [0]. - Password can be change in [Environment Setup] mode.</p>	
<p>4) When the Windows CE screen display, tap the screen bottom white color bar to call out the function toolbar.</p>	
<p>5) The Toolbar will show in bottom of screen.</p>	

Procedure	Picture
	
<p>6) Select  (Start) → Setting → Network and Dial-up Connection.</p>	
<p>7) Select [CF8385PN1] icon and press [ENTER] key button.</p>	
<p>8) Set the IP Address and Subnet Mask setting, after finish tap [OK] button to save change setting and exit.</p> <p><i>Example:</i> IP Address: 192.168.50.150 Subnet Mask: 255.255.255.0</p>	