Saturn Series

S-615L/ S-715L

User Manual

Version 1.0

About this Manual

Thank you for purchasing Saturn Series Touch Terminal. This terminal offers highly enhanced features, with easy connection to various optional devices for optimal performance. This user manual describes how to setup and connect your terminal.

Copyright

Safety Information

Before you Proceed:

- Read the safety notices and the User Manual carefully before using the product.
- Keep the box and packaging in case the product needs to be shipped in the future.
- Follow the product and warning label instructions.
- Any changes or modifications that do not follow the instructions in this manual will void this product's warranty.

Power Supply Safety Notes:

- To avoid electric shocks, disconnect the power cord from the electrical outlet before relocating the system.
- Make sure the voltage of the power outlet conforms within voltage range of the terminal. Failure to comply may cause the electric shock or damage to the terminal. If you are not sure of the electricity voltage that you are using, consult your local electricity company.
- To avoid fire or electric shocks, do not overload electric power outlets.
- Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.

Operating Instructions

- Keep this manual for future reference.
- Keep this equipment from moisture and dust.
- Place the equipment on a stable surface before setting it up.

- If there is any of the following situation arise, notify a qualified service technician immediately:
  - ◊ The power cord or plug is damaged.
  - ◊ The equipment has been dropped and damaged.
  - ◊ The equipment does not function normally.
- Do not leave the equipment in a non air-conditioned environment where the storage temperature may go above 70°C (158°F), as this can cause damage to the equipment.

Maintenance

- Gently wipe screen with a clean soft hair lens brush, or a lint-free cloth.
- Do not apply pressure to the screen while cleaning.
- Do not spray any liquid directly onto the screen or the casing of the terminal.
- Chemical cleaners have been reported to cause damage on the screen of the terminal.

Warning and Attention

- The technical descriptions and specifications of the equipment are subject to change without notice.
- For safety reasons, wear gloves when assembling the product.
- Risk of explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions.

CE Statement

- A Class III equipment with an enclosure made of HB material and using a non-special connector for the a.c./d.c. input has to have a marking stating the following: “Use only power supplies listed in the user instructions” or “For applicable power supplies see user instructions”. This statement shall also be in the user-instructions.
- If product with laser module, the class of laser should be mentioned. The warning as attachment.

Federal Communications (FCC Statement)

This device complies with FCC Rules Part 15. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received including interference that may cause undesirable operation.

This equipment has been tested and found to comply within the limit of a Class A 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 manufacturer’s 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 switching the equipment on and off, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the interference receiving antenna.
- Increase the distance of separation between the equipment and interference receiver.
- Connect the equipment to a power outlet on a circuit different from that to which the interference receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning

CE

FC Tested To Comply With FCC Standards FOR HOME OR OFFICE USE

RoHS

CB/LVD Statement

- A Class III equipment with an enclosure made of HB material and using a non-special connector for the a.c./d.c. input has to have a marking stating the following: “Use only power supplies listed in the user instructions” or “For applicable power supplies see user instructions”. This statement shall also be in the user-instructions.
- If product with laser module, the class of laser should be mentioned. The warning as attachment.

CCC Statement

此为A级产品，在生活环境中，该产品可能会造成无线电干扰。在这种情况下，可能需要用户对干扰采取切实可行的措施。

BSMI Statement

- 接螢幕與顯示卡所使用的防磁纜線必須確實遵守FCC規範。未獲廠商明確同意而擅自變更或修改本裝置，可能導致使用者的使用權限失效，而無法繼續操作本設備。

- 警告使用者：這是甲類的資訊產品，在居住的環境中使用時，可能成射頻干擾，在這種情況使用者會被要求採取某些適當的對策。

WEEE Notice

The WEEE logo (shown at the left) on the product or on its box indicates that this product must not be disposed of or dumped with your other household waste. You are liable to dispose of all your electronic or electrical waste equipment by relocating over to the specified collection point for recycling of such hazardous waste. Isolated collection and proper recovery of your electronic and electrical waste equipment at the time of disposal will allow us to help conserving natural resources. Moreover, proper recycling of the electronic and electrical waste equipment will ensure safety of human health and environment. For more information about electronic and electrical waste equipment disposal, recovery, and collection points, please contact your local city center, household waste disposal service, shop from where you purchased the equipment, or manufacturer of the equipment.

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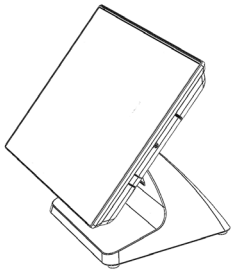
Chapter 1

Introduction

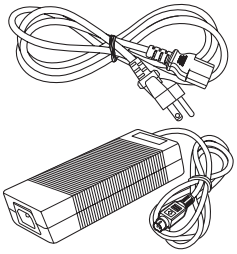
Congratulations on your purchase of this Touch Terminal. Your easy-to-use POS terminal is designed to help you enhance your business flexibility by offering superior customer experience.

Package Contents

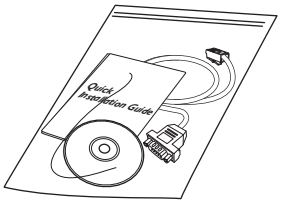
Before setting up your Touch Terminal, check that the package contains the following items. If any of the items is missing or damaged, contact your vendor immediately.



Touch Terminal



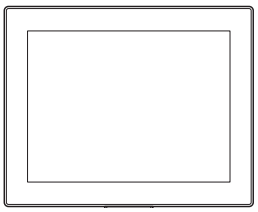
Power Cord & Adapter



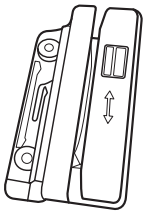
Accessory Kit

Optional Accessories

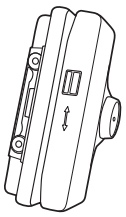
Customer Display (VFD/ LCM)



Secondary LCD Display (8"/10"/15")

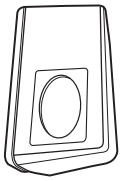


Magnetic Stripe Reader (MSR)

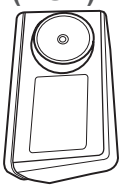


MSR + iButton Reader

Radio-Frequency Identification Reader (RFID)



Fingerprint Reader

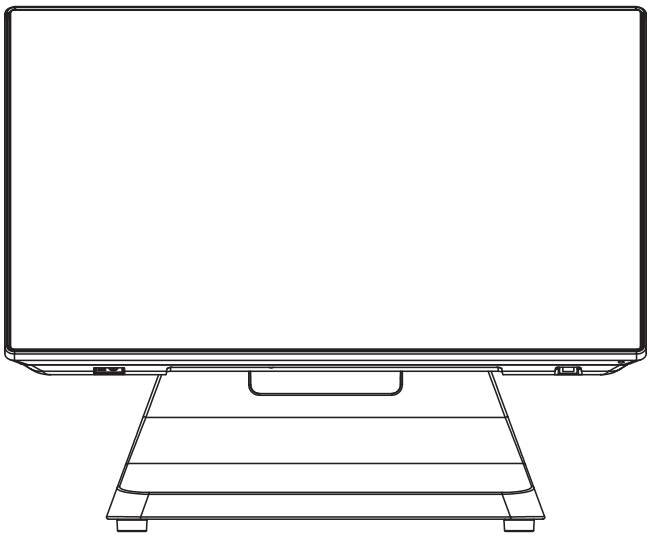


iButton Reader

Overview of Saturn Series

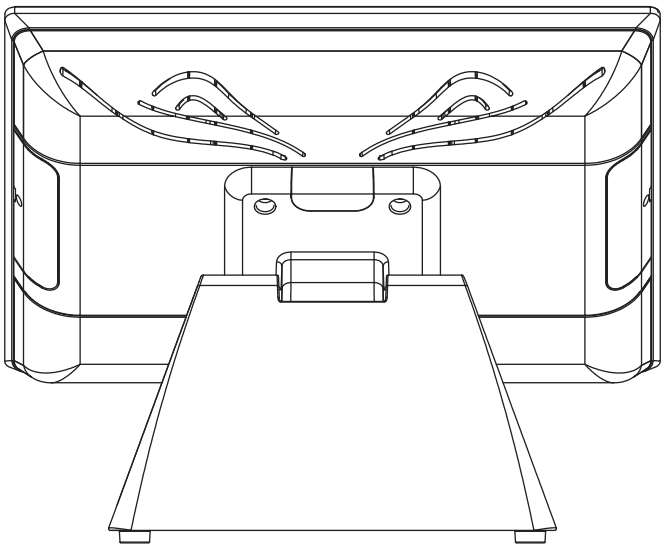
The figures in this section illustrate the components (including input and output ports) located at the front and rear of your Touch Terminal.

Front View



Standard Type

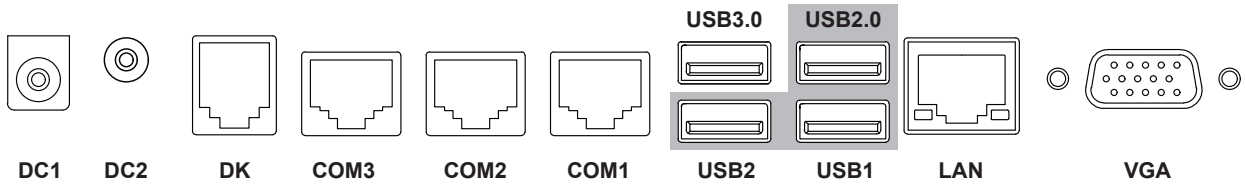
Rear View



Standard Type

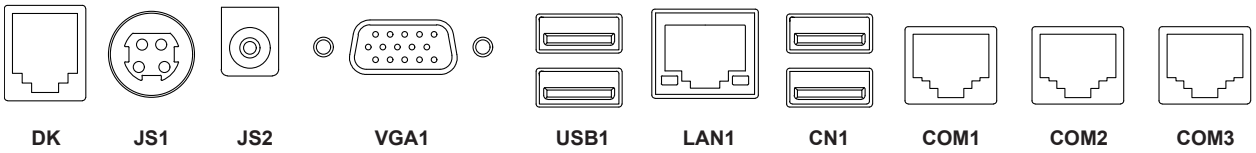
I/O Ports

S-615L



Item	Connector Definition
DC1	DC 12V Output
DC2	DC 12V Input
DK	RJ12 Cash Drawer
COM3	RJ50 COM 3 Serial Ports
COM2	RJ50 COM 2 Serial Ports
COM1	RJ50 COM 1 Serial Ports
USB2	USB 3.0 + USB 2.0
USB1	Dual USB 2.0
LAN	RJ45 Gigabit LAN
VGA	DB-15 VGA Connector

S-715L

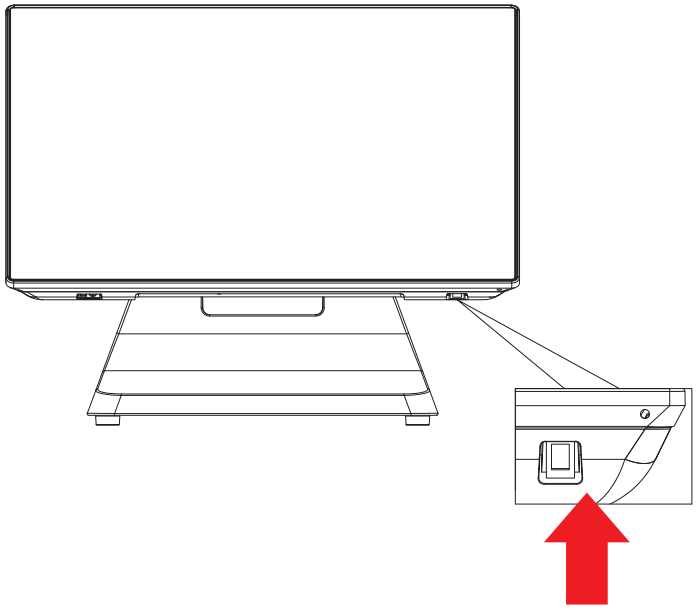


Item	Connector Definition
DK	RJ12 Cash Drawer
JS1	DC 24V Input
JS2	DC 12V Output
VGA1	DB-15 VGA Connector
USB1	Dual USB 2.0
LAN1	RJ45 Gigabit LAN
CN1	Dual USB 3.0
COM1	RJ50 COM 1 Serial Port
COM2	RJ50 COM 2 Serial Port
COM3	RJ50 COM 3 Serial Port

Powering ON/OFF Saturn POS

Power ON Saturn POS

The power button is located at the bottom side of the back cover.
Press down the power button to power on the POS.



Power OFF Saturn POS

In most cases, press the power button of the POS to power the system off. If the terminal fails to turn off the machine for unknown reasons, please be advised to hold the power button more than 4 seconds to force a shutdown of the system.

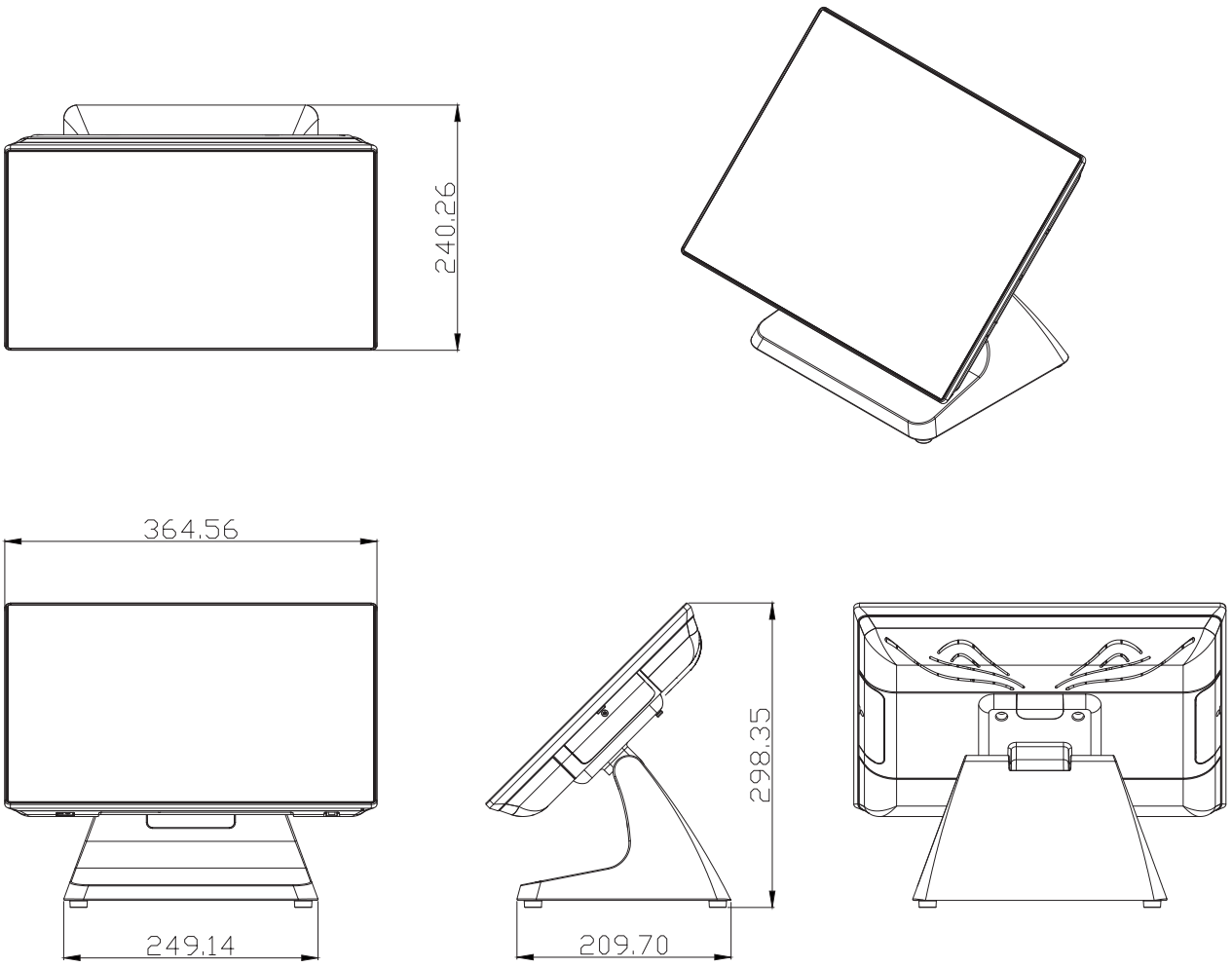
Status LED Indicator

LED status indicator, which is located at the bottom edge of the LCD panel, is mainly responsible for notifying users of the current system status by emitting various LED signals. In the chart provided below, it describes all the possible LED status as a quick reference.

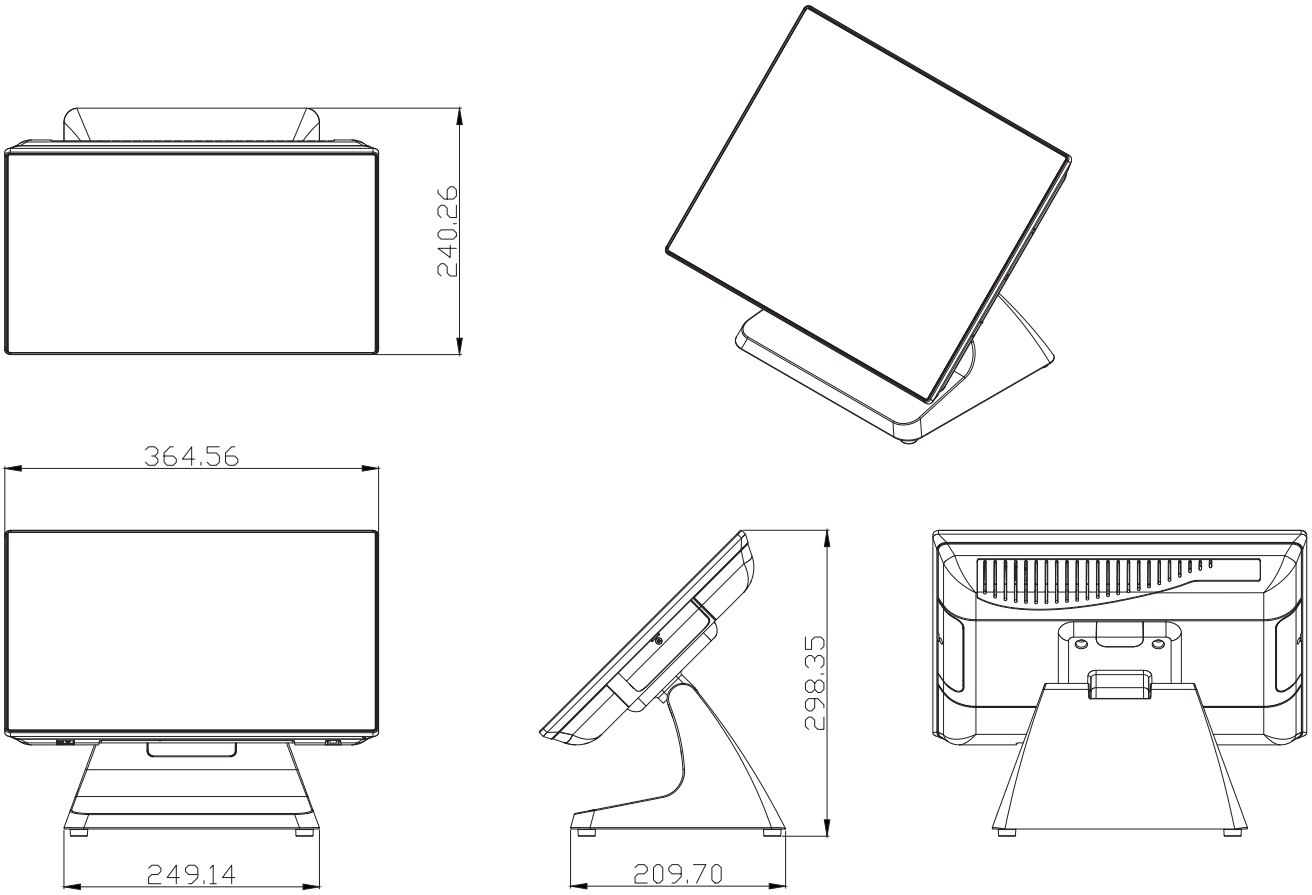
LED Status	System Status	AC power adapter	Description
OFF	OFF	OFF	System power OFF
Green	OFF	ON	System standby
Blue	ON	ON	System power ON

Physical Dimensions

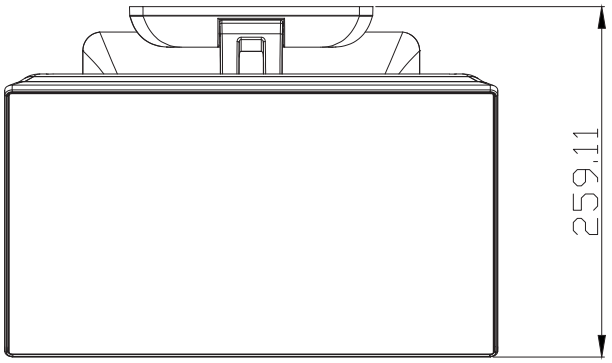
Standard Display
S-615L

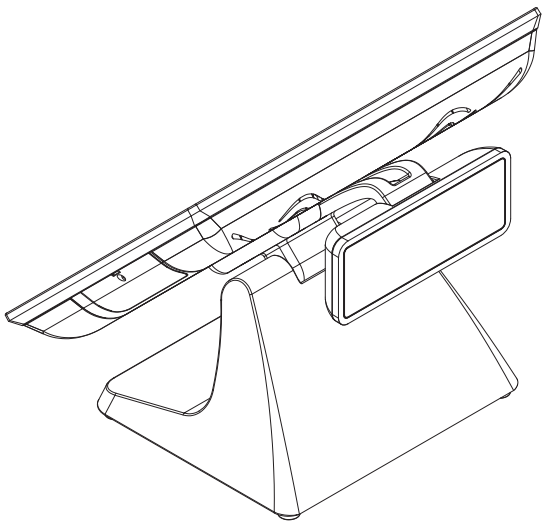


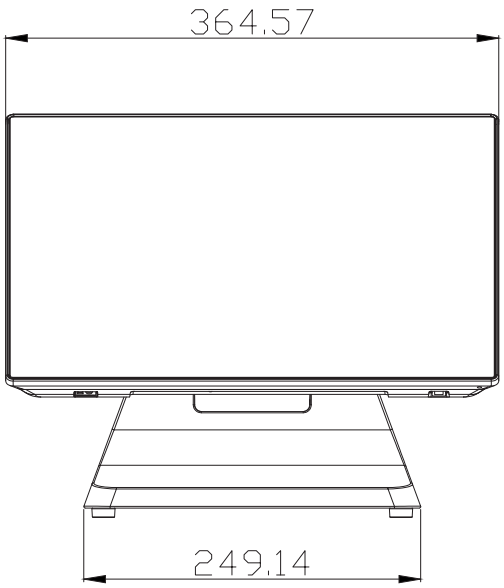
S-715L

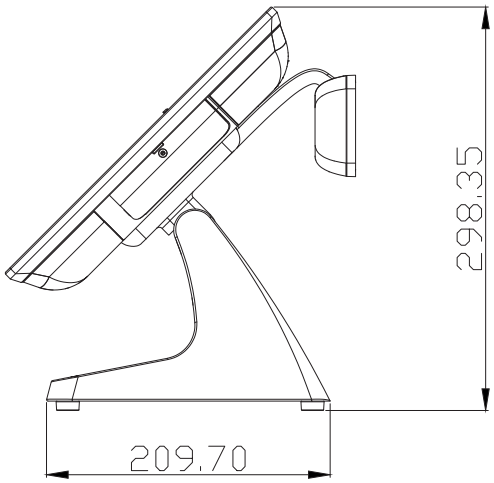


LCM (Liquid Crystal Module)
VFD Customer Display

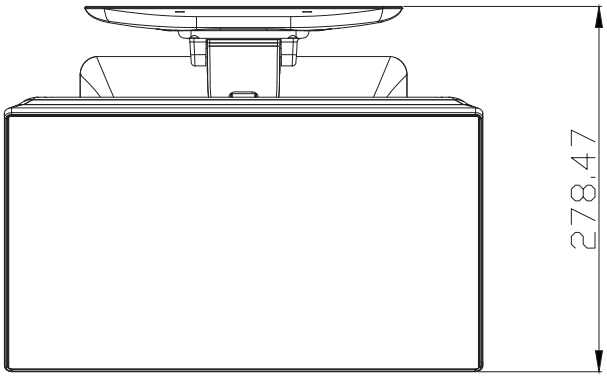


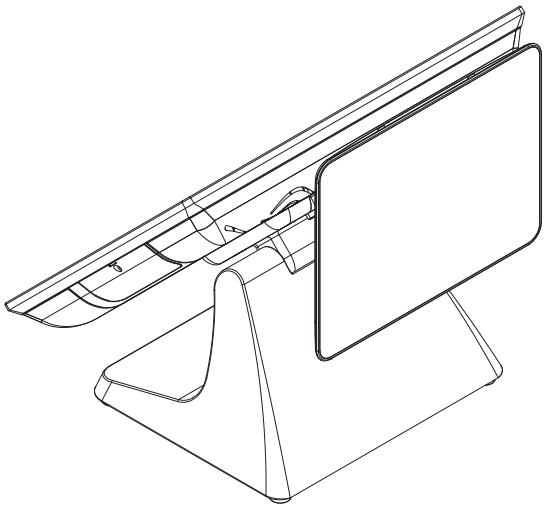


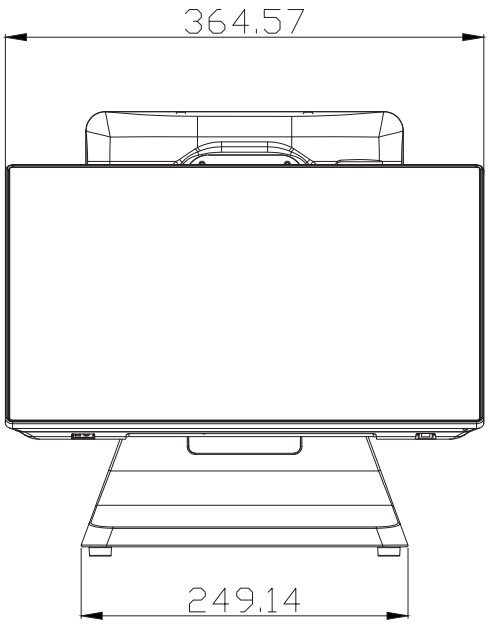


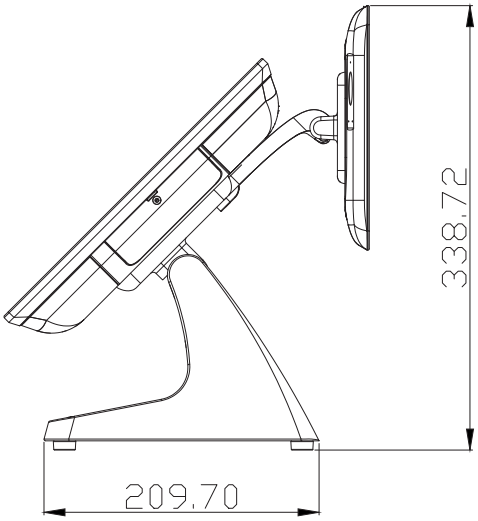


10” Secondary LCD Display

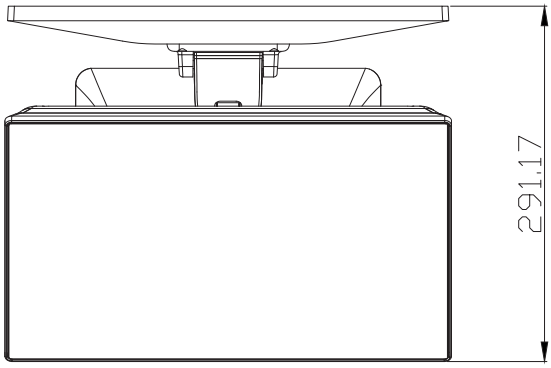


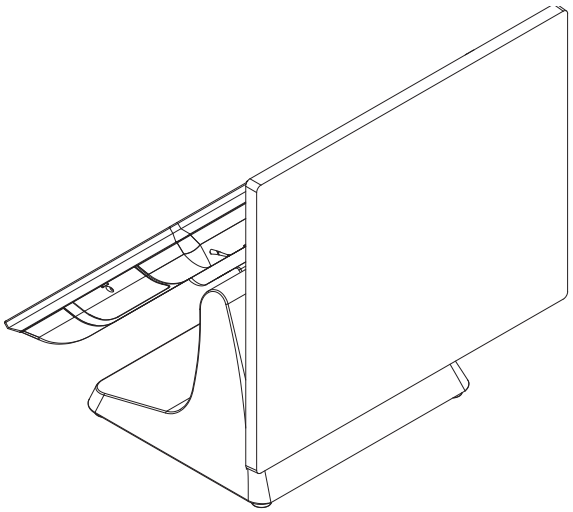


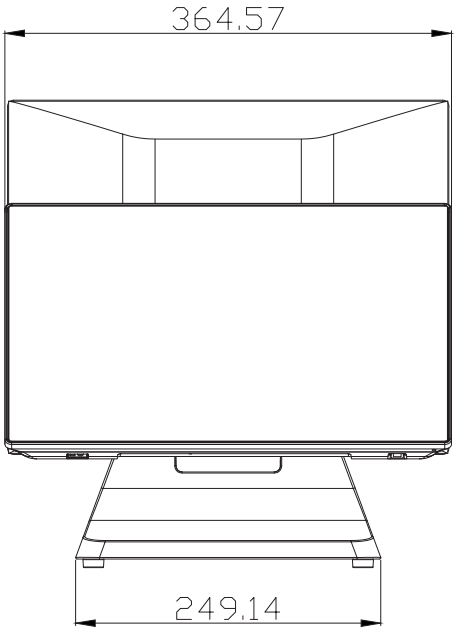


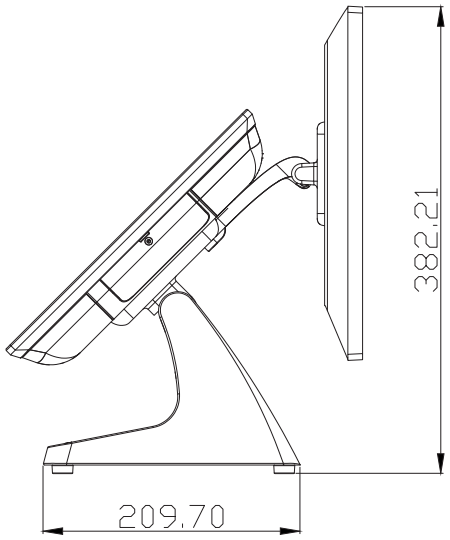


15” Secondary LCD Display









Specifications

Touch Terminal Specifications

Model number	S-615L	S-715L
LCD & Touch Panel		
LCD Panel	15” LED-backlit display	
Resolution	1024 x 768 (default)	
Brightness	300 cd/m^2	
Touch Screen	Flat Projected Capacitive Touch (USB)	
System Configuration		
CPU	Intel® Celeron® J1900 up to 2.4GHz (Quad-core)	Core™ i3-7101TE 3.4 GHz Core™ i5-7500T 2.7 GHz
Main Memory	1 x DDR3L SO-DIMM, up to 8GB	1 x DDR3L SO-DIMM, up to 16GB
Storage	1 x 2.5” SATA HDD or 1 x 2.5" SSD	1 x 2.5” SATA HDD or 1 x 2.5"SSD
I/O Ports		
USB2.0	3	2
USB3.0	1	2
RJ50 COM	3 x RJ50 (5V/12V selectable)	3 x RJ50 (5V/12V selectable)
Gigabit Ethernet	1 x Gigabit Ethernet	1 x Gigabit Ethernet
VGA	1 x DB15	1 x DB15
HDMI	N/A	N/A
Cash Drawer	1 x RJ12	1 x RJ12
Speaker	N/A	2 x 1W Speaker
DC12V out	DC 12V	DC 12V
DC12V in	DC 12V	DC 24V
Scanner	Optional	Optional
Powering System		
Power Supply	60W (12V/5A)	120W (24V/5A)
Power Button	1 x System on/off trigger	
Power LED Indicator	YES	YES

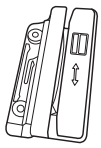
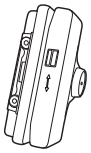
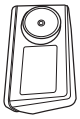
Model number	S-615L	S-715L
Physical Dimensions		
Packing	510 (L) x 405 (W) x 320 (H) mm for S-415/615/715-L/W (P/N: ZKIPK-00123)	
Net Weight	4.61Kg	4.89 Kg
Gross Weight	6.61Kg	6.89 Kg
Safety & Environment		
Product Certification	CE / FCC certificated	
Operation Temperature	0°C to 40°C	
Storage Temperature	-25°C to 70°C	
O/S Compatibility	Windows 7/ POSReady 7 / Windows 10/ Linux Kernel 3.0	Windows 10/ Linux Kernel 4.0

Peripherals Specifications

2nd LCD display	Model No.	MN-0810	MN-1090U	MN-1510
	LCD Panel	8”	10.4”	15”
	Resolution	800 x 600	1024 x 768	1024 x 768
	Viewing Angle	140° (H) / 125° (V)	85° (H) / 85° (V)	160° (H) / 140° (V)
	Response Time	25ms (typical)	25ms (typical)	8ms (typical)
	Brightness	250 nits (typical)	350 nits (typical)	250 nits (typical)
	Video Input	VGA	VGA	VGA
	Power Supply	DC 12V	DC 12V	DC 12V

LCM	Model No.	CM3000
	Polarizer color	White
	Backlight color	Blue
	Display Capacity	20 characters x 2 lines
	Character format	5 x 8 dots
	Character type	International (Default) English-Russia/English-Japanese/Traditional Chinese/ Simplified Chinese (Optional, factory-installed required)
	Dot Size	0.93 (W) x 1.11 (H) mm
	Input power type	5V DC
	Interface	RS232
	Can be assembled on the same package with the system shipping	

VFD	Model No.	CM7100
	Display Method	Vacuum Fluorescent Display (VFD)
	Polarizer color	Yellow green
	Backlight color	Black
	Brightness	500-1000 cd/m2
	Display capacity	20 characters x 2 lines
	Character format	5 x 7 dot matrix, cursor
	Character type	95 Alphanumeric, 32 International characters
	Dot size	0.55 (W) X 0.75 (H) mm
	Input power type	5V DC
	Interface	RS232
	Can be assembled on the same package with the system shipping	

2 in 1 Identification Reader	Interface	RS232
 Magnetic Stripe Reader (MSR)  MSR + iButton Reader	MSR	ISO Track 1/2/3 single/dual/ triple tracks of magnetic card, support ANSI/ISO Standards7810, 7811 1/5, 7812 & 7813. USB HID Keyboard mode interface
	MSR + iButton Detector	Dallas DS1990A compliment / With leading / ending programming function. USB HID Keyboard mode interface
	Can be assembled on the same package with the system shipping	
 Radio-Frequency Identification Reader (RFID)  Fingerprint Reader  iButton Reader	Biometric Fingerprint Recognizer	Digital Personal U. are .U 4500B (Optical Type / Blue Light) Module Size: Approx. 57.7mm * 35.8mm*11.0mm Compatible with USB 1.1 / 2.0 (Full Speed). USB HID Keyboard mode interface
	RFID reader	Frequency 13.56MHz. ISO14443A card type MIFARE® 1K/4K/8K card type. Read only. USB HID Keyboard mode interface
	iButton Detector	Dallas DS1990A compliment / With leading / ending programming function. USB HID Keyboard mode interface
	Can be assembled on the same package with the system shipping	

Chapter 2

Preparing For the Installation

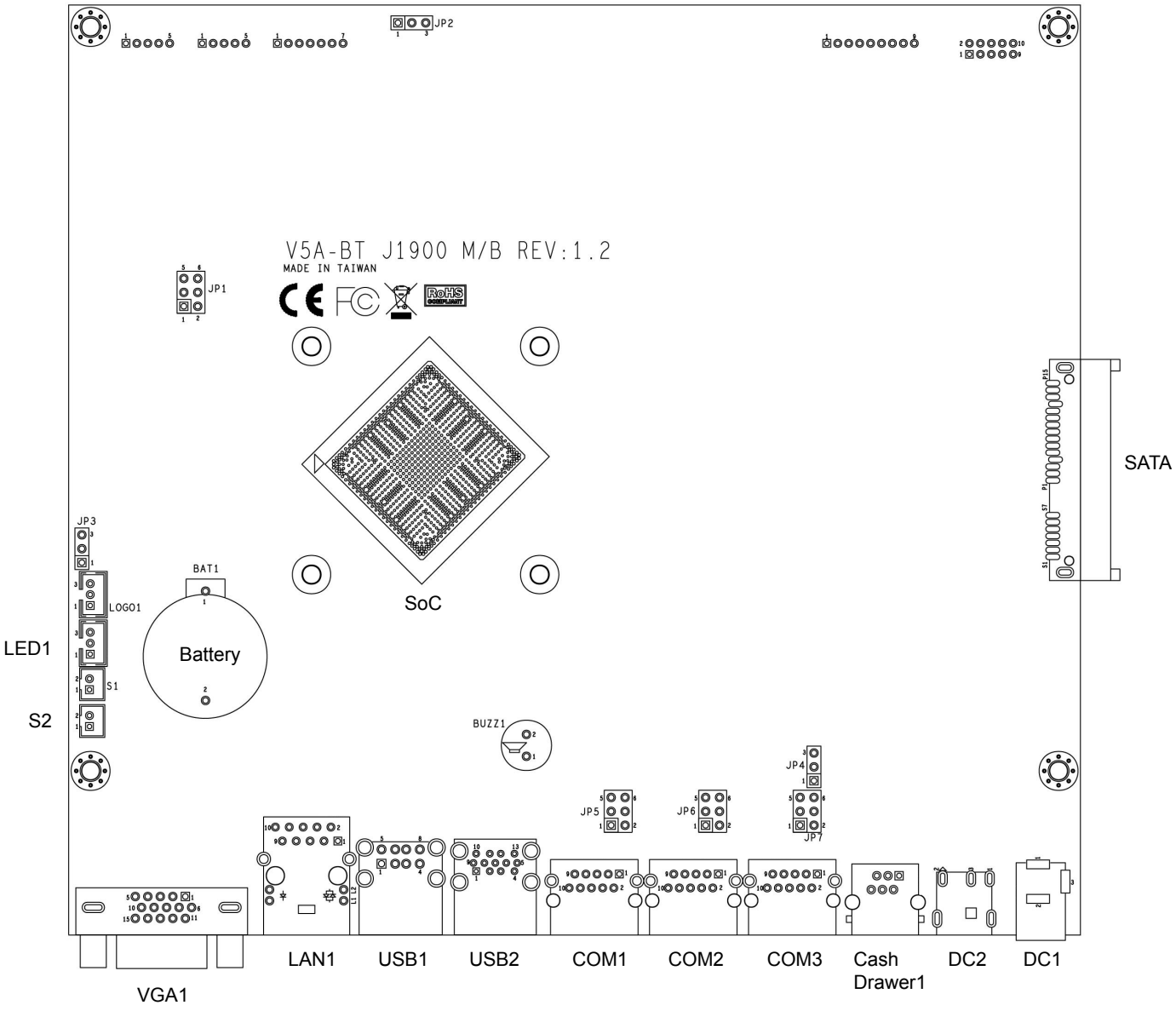
Before you start installing Touch Terminal, read the following instructions.

- Saturn Series do not support PCI slot.
- Do not insert or remove any device or component from the Saturn Series while the power is turned on.
- If using Saturn Series in a dusty environment, clean the Touch Terminal regularly.
- Only USB devices are Hot Swap capable. Be sure to turn off the power of the touch terminal and the device before making any connection or disconnection.
- The spill proof design of Saturn Series conforms to IP65 standard (Front panel only).
- Always seek the help of authorized service personnel in disassembling the terminal. The manufacturer will not be held responsible in the event of damage caused by an unauthorized person.
- Before installation or disassembling of the terminal, ensure that the power is turned off. Otherwise, electric shock may occur and may void the warranty.
- For systems preloaded with POSReady/Windows Embedded on the storage(O/S pre-installed as an option), the manufacturer provides recovery image. System Integrator shall take care of software restoration after having an image recovery. A manufacturer-supplied USB interface COMBO drive will be required for such action. Other brands of COMBO drive may require a specific driver. **Please use the recovery image for rescue operation only. Using it otherwise may wipe out whatever is stored in the storage.** Then follow the instructions from your system integrator for software recovery.

Main Board Jumper Setting and Connector Definition

Top Side

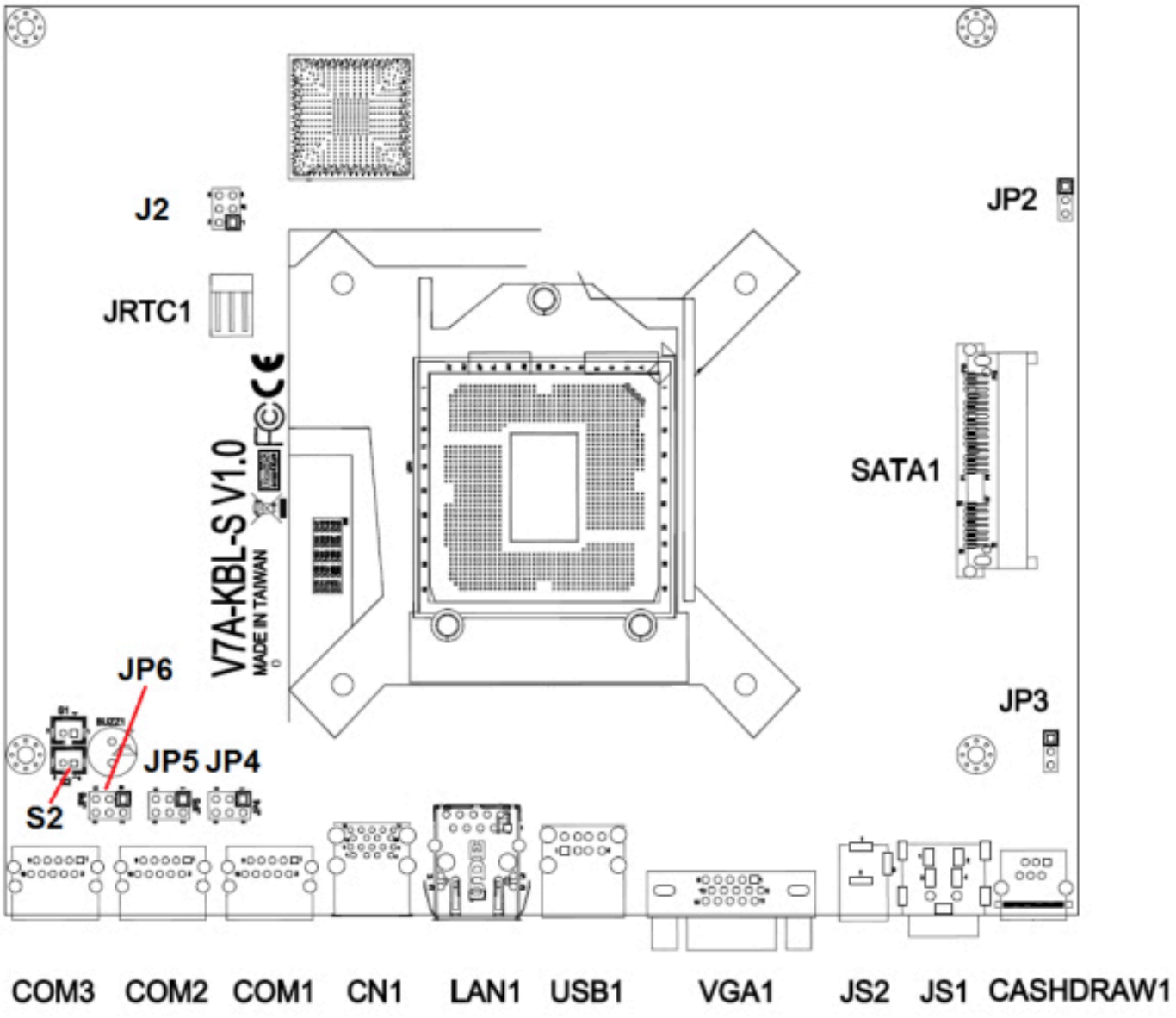
S-615L



TOP and Bottom Side Layout Content List

Top Side Connector Information	
Item	**Connector Definition**
LED1	Power LED
S2	Power Trigger
SATA1	7+15 SATA Port

S-715L

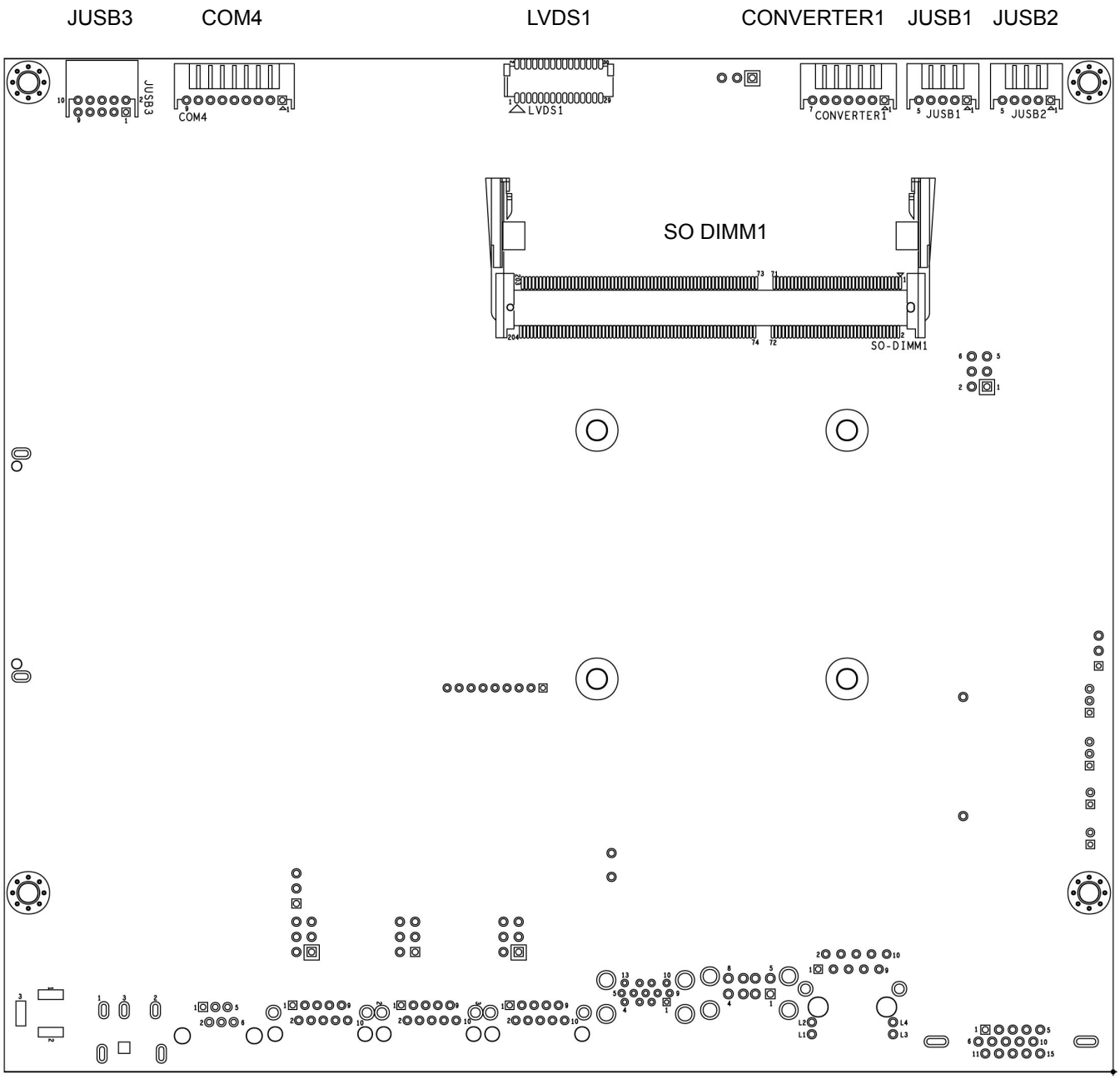


TOP and Bottom Side Layout Content List

Top Side Connector Information	
Item	**Connector Definition**
S2	Power Trigger
SATA1	7+15 SATA Port

Bottom Side

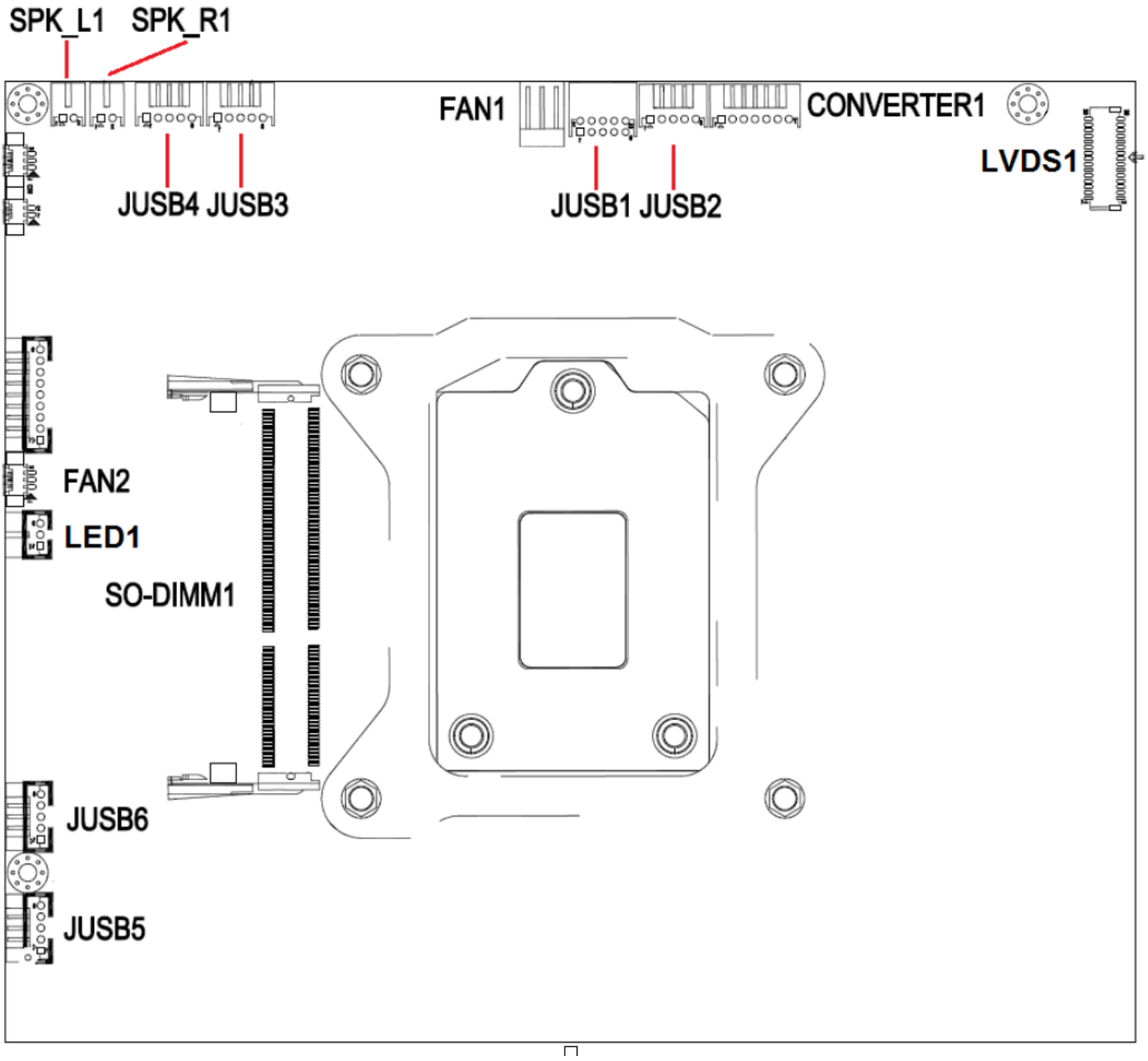
S-615L



Bottom Side Layout Content List

Bottom Side Connector Information	
Item	**Connector Definition**
JUSB1/JUSB2	USB 2.0
JUSB3	USB 2.0
LVDS1	LVDS Single/Dual Channel
CONVERTER1	LCD Backlight Converter
COM4	COM 4 Serial Ports

S-715L

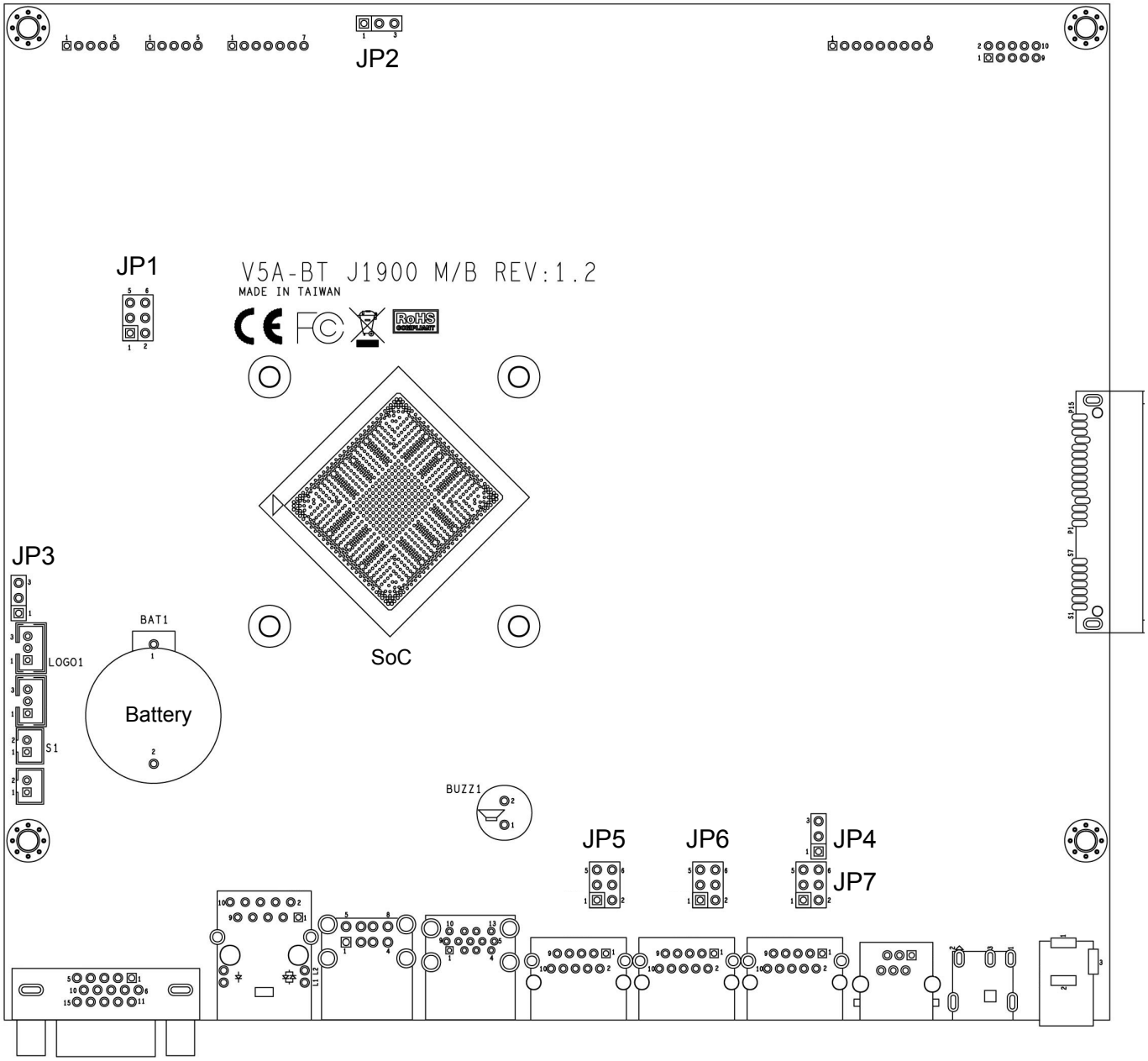


Bottom Side Layout Content List

Bottom Side Connector Information	
Item	**Connector Definition**
JUSB1	USB 2.0
JUSB2/JUSB3/JUSB4/JUSB5/JUSB6	USB 2.0
LVDS1	LVDS Single/Dual Channel
CONVERTER1	LCD Backlight Converter
LED1	System Power LED
FAN1	CPU FAN
FAN2	System FAN
SPK_R1	Speaker
SPK_L1	Speaker

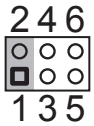
Jumpers Content List

S-615L



PIN Header / Jumper List	
Item	**Connector Definition**
JP1	SPI BIOS Flash
JP2	LCD Panel Voltage Select
JP3	Clear CMOS
JP4	Cash Drawer Voltage Select
JP5	COM 1 Port Voltage Select
JP6	COM 2 Port Voltage Select
JP7	COM 3 Port Voltage Select

JP1: SPI BIOS Flash



Pin	Definition	Pin	Definition
1	VCC_SPI	2	GND
3	SPICS	4	SPICLC
5	SPISO	6	SPISI

JP2: LCD Panel Voltage Select

Pin	Definition	Definition
1-2	3.3V	1-2
2-3	5V	

JP3: Clear CMOS

Pin	Definition	Definition
1-2	Normal	1-2
2-3	Clear CMOS	

JP4: Cash Drawer Voltage Select

Pin	Definition	Definition
1-2	24V	1-2
2-3	12V	

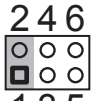
JP5: COM 1 Port Voltage Select

Pin	Definition	Definition
1-2	0V/RI	1-2
3-4	5V	
5-6	12V	

JP6: COM 2 Port Voltage Select

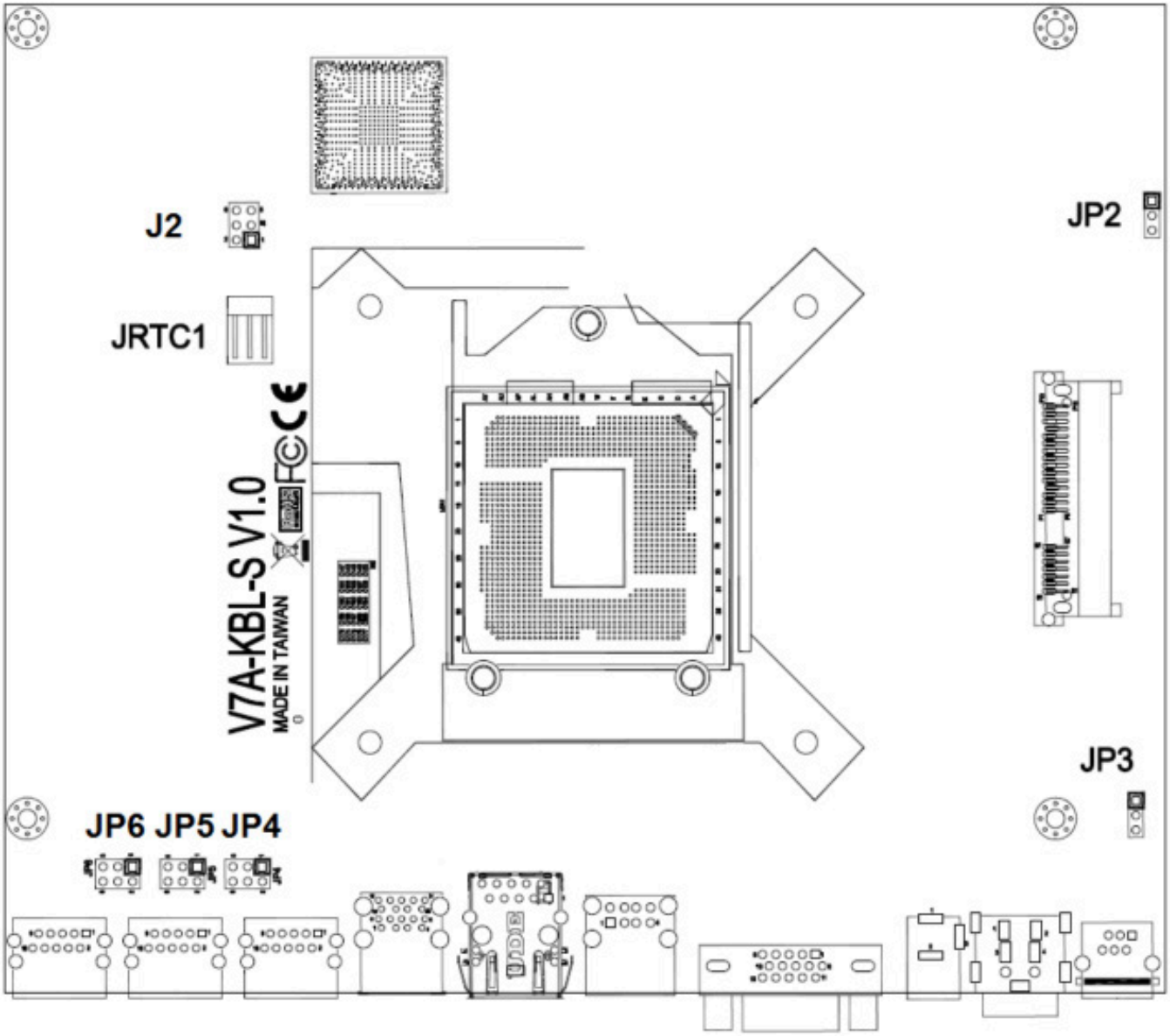
Pin	Definition	Definition
1-2	0V/RI	1-2
3-4	5V	
5-6	12V	

JP7: COM 3 Port Voltage Select



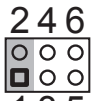
Pin	Definition	Definition
1-2	0V/RI	1-2
3-4	5V	
5-6	12V	

S-715L



PIN Header / Jumper List	
Item	**Connector Definition**
J2	SPI BIOS Flash
JRTC1	Clear CMOS
JP2	LCD Panel Voltage Select
JP3	Cash Drawer Voltage Select
JP4	COM 1 Port Voltage Select
JP5	COM 2 Port Voltage Select
JP6	COM 3 Port Voltage Select

J2: SPI BIOS Flash connector



Pin	Definition	Pin	Definition
1	VCC_SPI	2	GND
3	SPICS	4	SPICLC
5	SPISO	6	SPISI

JRTC1: Clear CMOS

Pin	Definition	Definition
1-2	Normal	1-2
2-3	Clear CMOS	

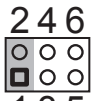
JP2: LCD Panel Voltage Select

Pin	Definition	Definition
1-2	3.3V	1-2
2-3	5V	

JP3: Cash Drawer Voltage Select

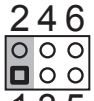
Pin	Definition	Definition
1-2	24V	1-2
2-3	12V	

JP4: COM 1 Port Voltage Select



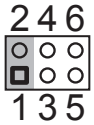
Pin	Definition	Definition
1-2	0V/RI	1-2
3-4	5V	
5-6	12V	

JP5: COM 2 Port Voltage Select



Pin	Definition	Definition
1-2	0V/RI	1-2
3-4	5V	
5-6	12V	

JP6: COM 3 Port Voltage Select



Pin	Definition	Definition
1-2	0V/RI	1-2
3-4	5V	
5-6	12V	

System Default Settings

The following is the information on default settings for Touch Terminal serial ports.

Voltage Output Definition

S-615L/ S-715L

Voltage Output	
Connector Item	**Power Support**
COM 1 for extension	5V / 12V Select by jumper
COM 2 for extension	5V / 12V Select by jumper
COM 3 for extension	5V / 12V Select by jumper
Cash Drawer	24V / 12V Select by jumper
DC Output	12V
USB 2.0	5VSB
USB 3.0	5VSB

COM Port Setting Definition

S-615L

Item	COM1	COM2	COM3	COM4	COM5
I/O Address	3F8	2F8	3E8	2E8	2F0
IRQ Setting	IRQ4	IRQ3	IRQ5	IRQ10	IRQ11

S-715L

Item	COM1	COM2	COM3	COM4	COM5
I/O Address	3F8	2F8	3E8	2E8	2F0
IRQ Setting	IRQ4	IRQ3	IRQ5	IRQ10	IRQ7

Cash Drawer Setting Definition

S-615L

COM Port	I/O Address	Baud Rate	Open Command	Respond Command
COM5	2F0	9600	01h	02h

S-715L

COM Port	I/O Address	Baud Rate	Open Command	Respond Command
COM5	2F0	9600	07h	02h

Chapter 3

System Memory

Overview

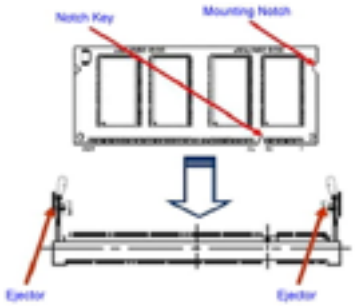
The mainboard comes with one 204-pin Double Data Rate 3 Low voltage (DDR3L) Dual Inline Memory Modules (SODIMM) sockets.

A DDR3L module has the same physical dimensions as a DDR SODIMM but has a 204-pin footprint compared to the 240-pin DDR2 DIMM. DDR3L SODIMMs are notched differently to prevent installation on a DDR2 SODIMM socket. The following figure illustrates the location of the sockets:

You may ONLY install 1GB, 2GB, or 4GB DDR3L-1333MHz (PC3L-10600); Non-ECC, Un-buffered 1.35V DDR3L memory modules on this board (4GB maximum for each slot). MX1900J does not support DDR/ DDR2/ DDR3 SODIMM modules, DO NOT install DDR/ DDR2/ DDR3 SODIMM modules on this board.

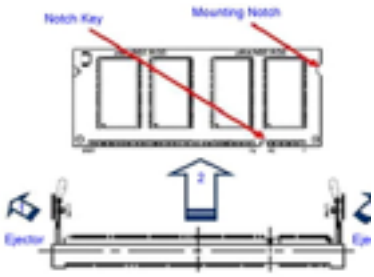
Installing the DDR3L SODIMM

1. Locate the SODIMM socket onboard.
2. Hold two edges of the SODIMM module carefully, and keep away of touching its connectors.
3. Align the notch key on the SODIMM module with the rib on the slot.
4. Firmly press the SODIMM module into the socket which will be snapped into the mounting notch automatically. Do not force the SODIMM module in with extra force as the SODIMM module can only fits in one direction.



Removing the DDR3L SODIMM

1. Press the two ejector tables on the slot outward simultaneously.
2. Remove the SODIMM module from the socket.



Chapter 4

BIOS Setup

4-1 S-615L

Entering BIOS Setup

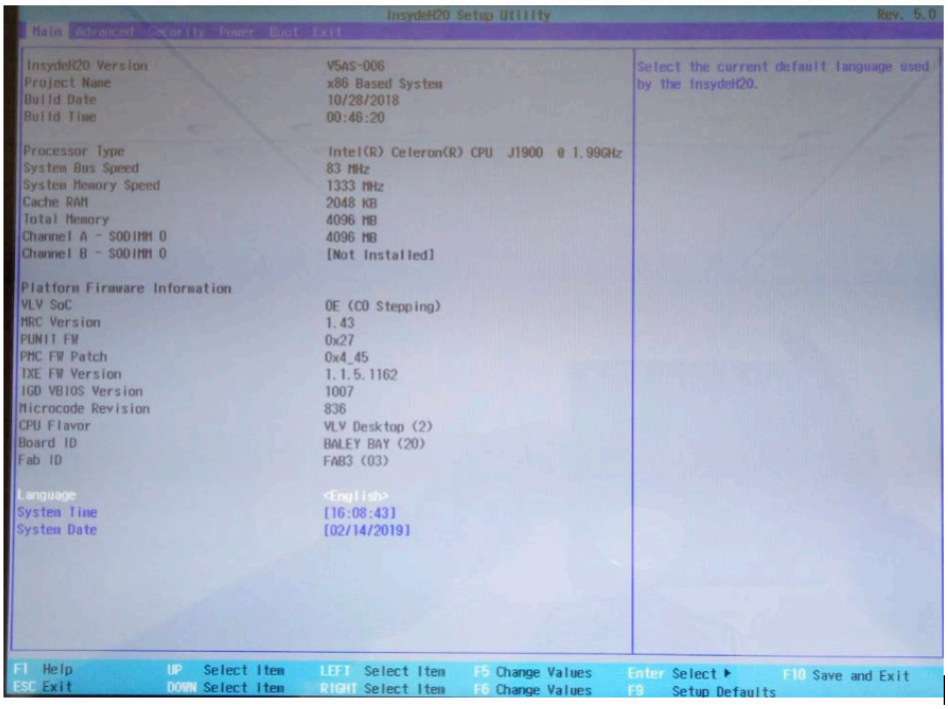
1. Connect an alphanumeric USB keyboard to the motherboard.
2. Apply power to the motherboard.
3. When the motherboard boots, press [F2] to display the BIOS Setup.
4. When the motherboard boots, press [F10] to display the Boot Menu.

Selecting Menu Options

- To select (highlight) options and menu screens, use the arrow keys.
- To select a submenu, use the [Enter] key.
- To exit from a submenu, use the [Esc] key.
- To change field values, use the [F5] and [F6] keys.
- To view help information on the possible selections for the highlighted item, select the [F1] key.
- To load optimal default, select the [Exit Menu] and do any of the following:
    1. Select [Load Optimal Default], and then press [Enter].
    2. Or, press [F9] and then press [Enter].
- To save the changes, select the [Exit Menu] and do any of the following:
    1. Select [Exit Saving Changes], and then press [Enter].
    2. Or, press [F10] and then press [Enter].

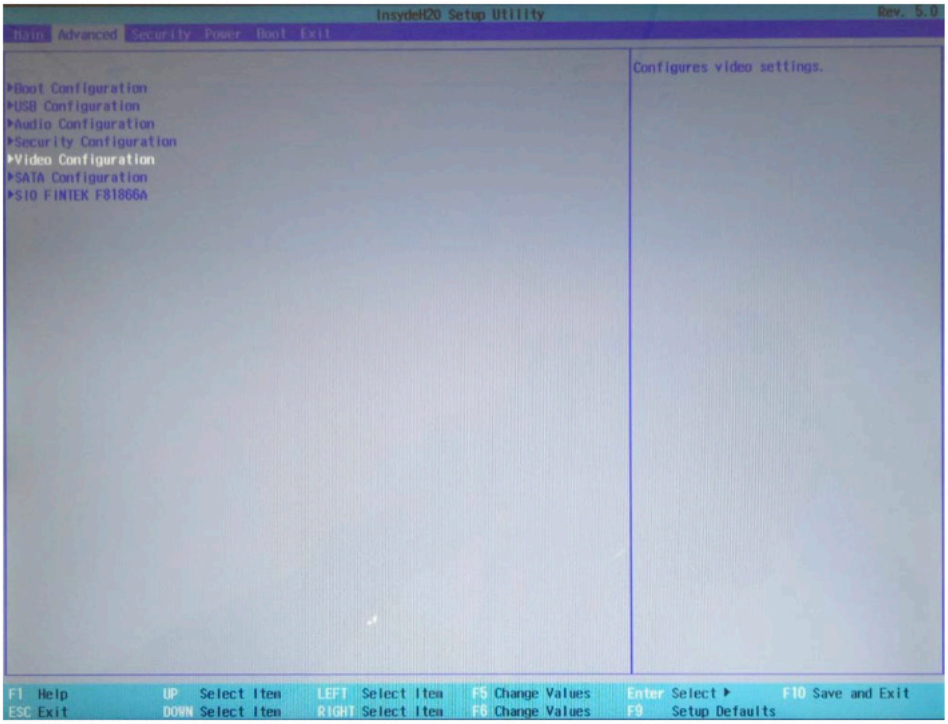
Main Tab

Under <Main>, select < System Time > or <System Date> to change the system date and time.

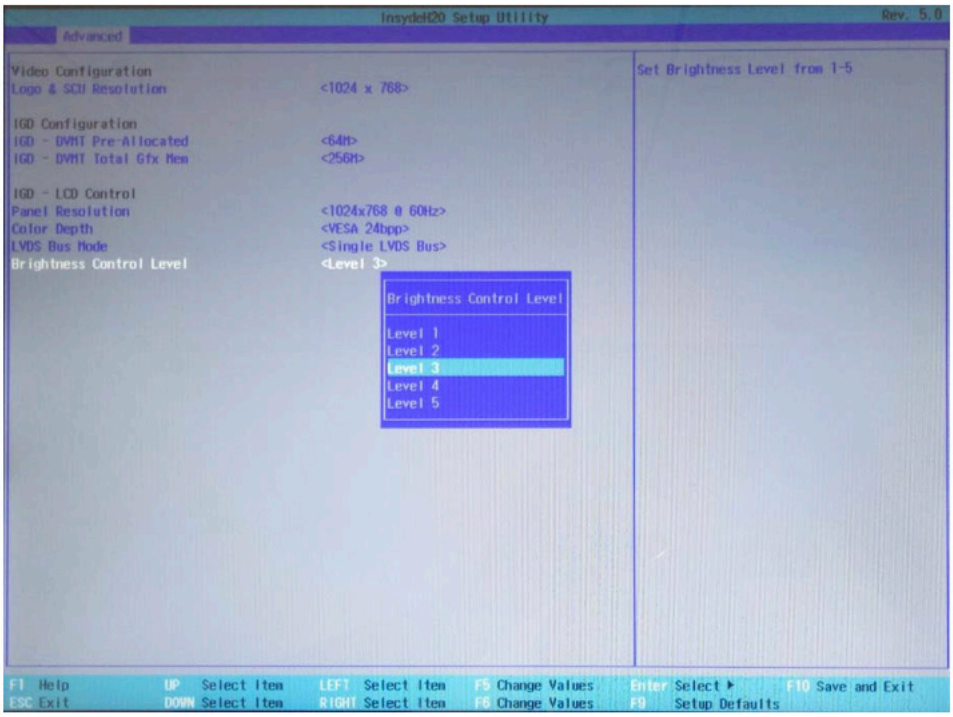


Advanced Tab for setting the LCD Brightness

1. Select <Advanced> and then select <Video Configuration>.

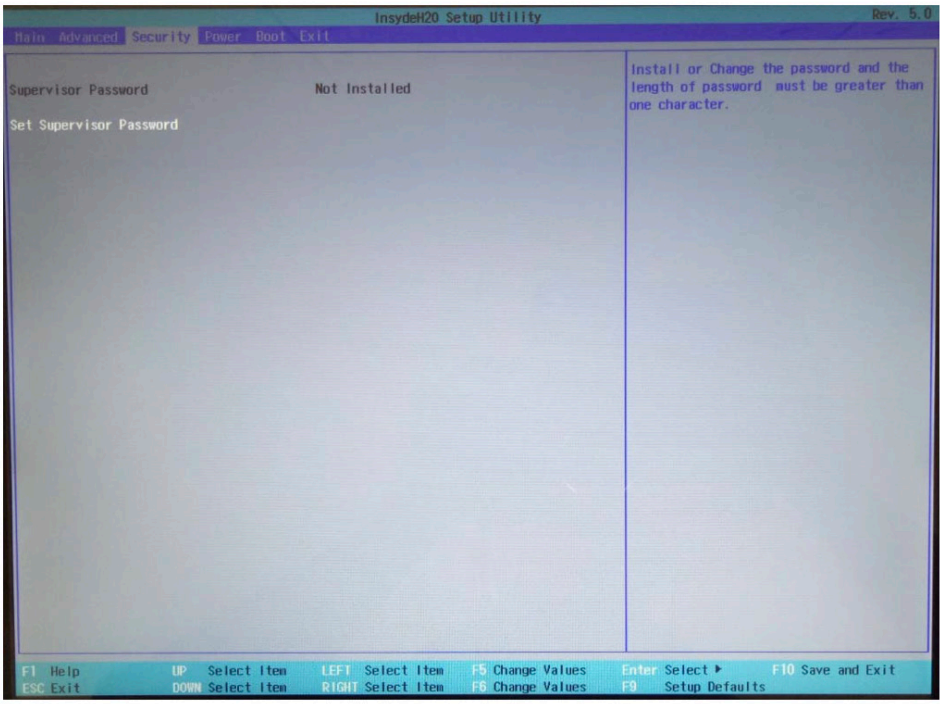


2. Select <Brightness Control Level>. Default setting is [Level 3].

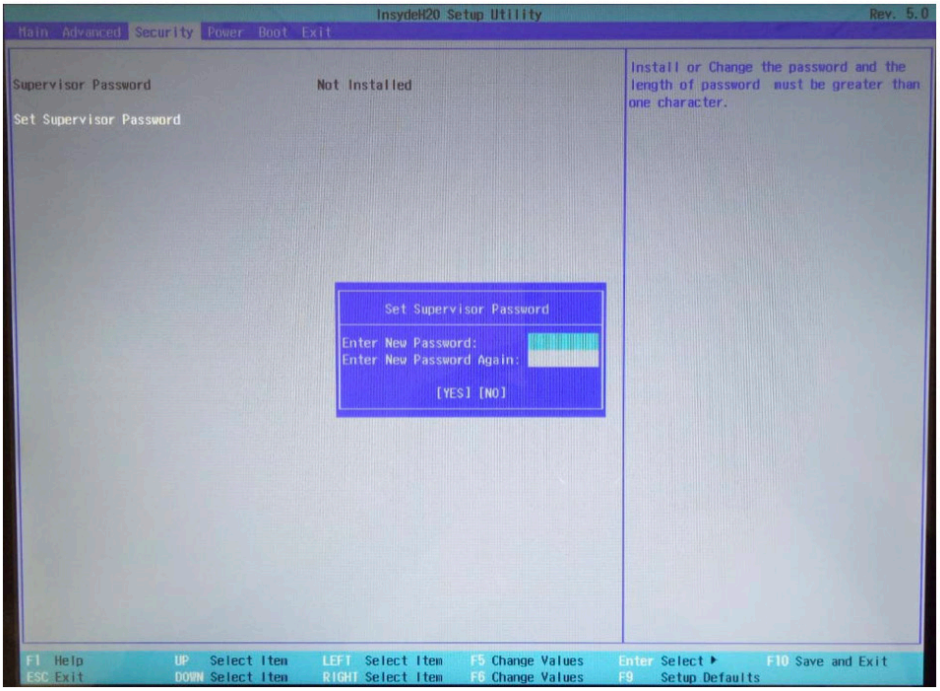


Security Tab for setting Supervisor Password

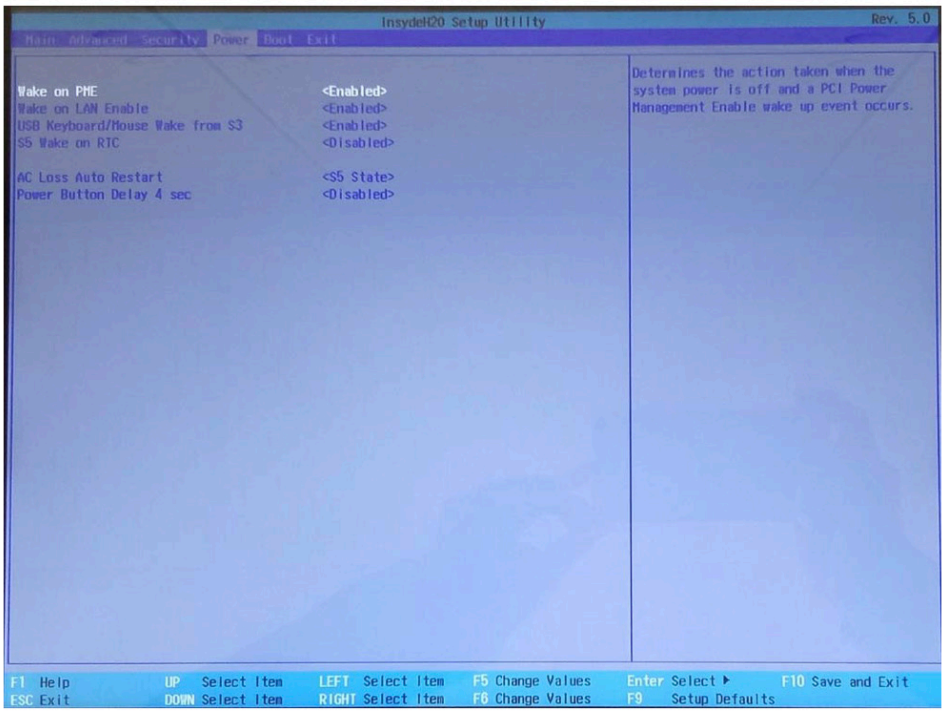
1. Select <Security> and then Set <Supervisor Password>.



2. Enter New Password and then Enter New Password Again and then select [YES].



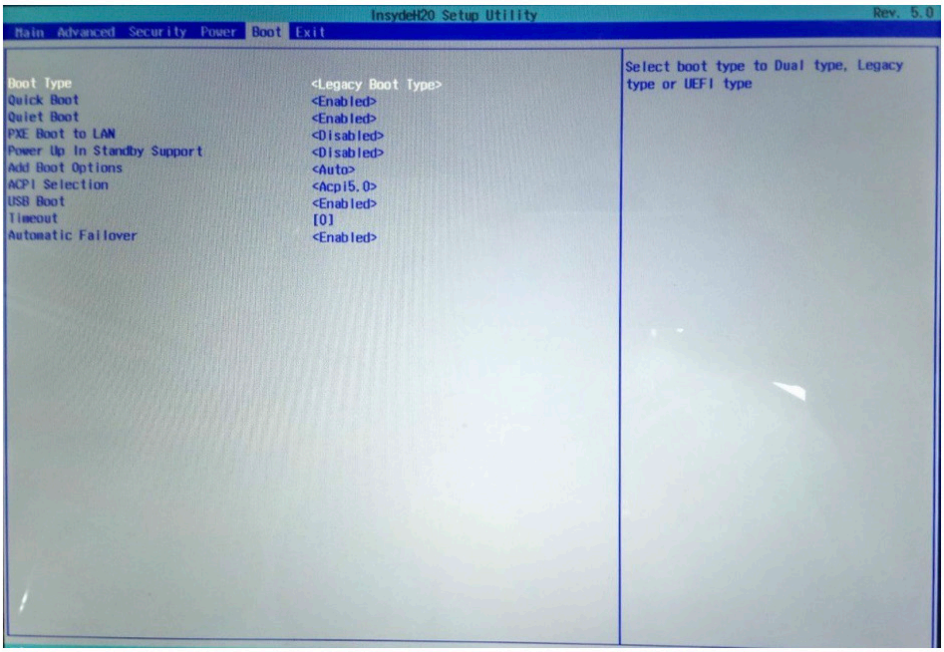
Power Tab



Boot Tab for setting Boot Type

1. Select <Boot> and then Set <Boot Type>.

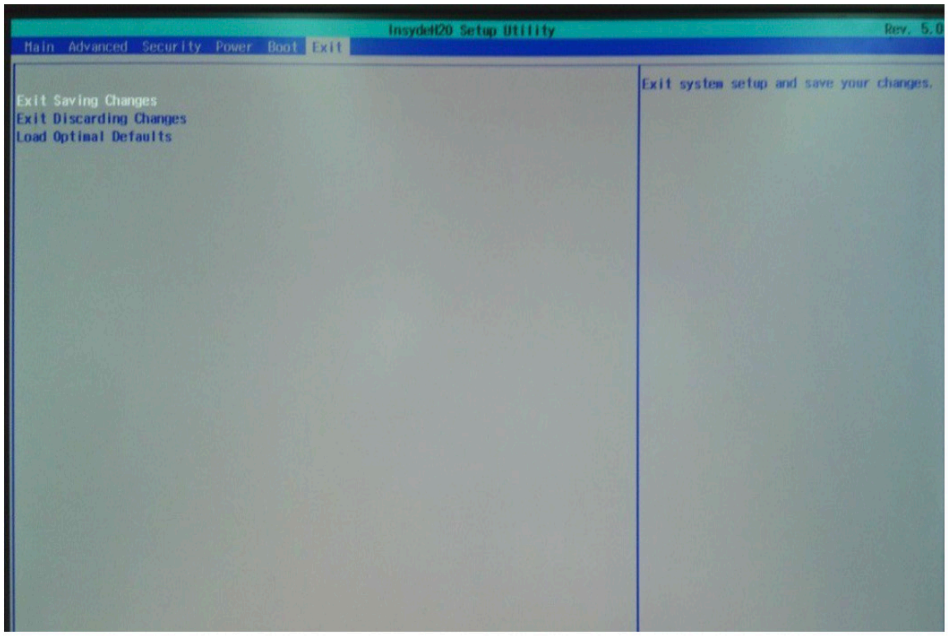
2. Select <Legacy Boot Type> or <UEFI Boot Type>. Default setting is [Legacy Boot Type].



Save & Exit Tab

1. Select [Load Optimal Default], and then press [Enter].

2. Select [Exit Saving Changes], and then press [Enter].



4-2 S-715L

Entering BIOS Setup

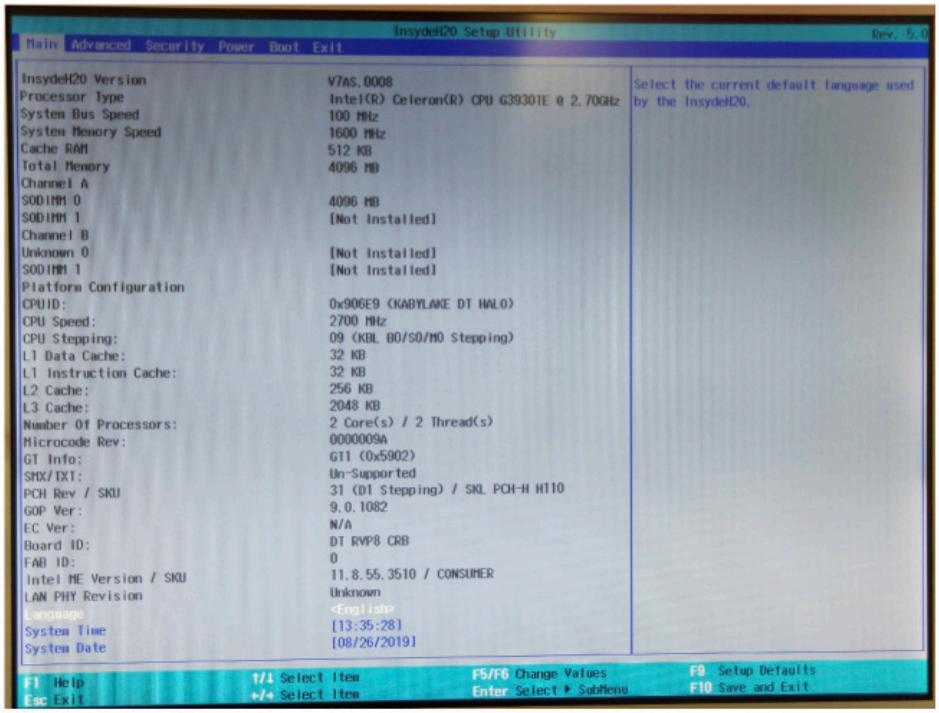
1. Connect an alphanumeric USB keyboard to the motherboard.
2. Apply power to the motherboard.
3. When the motherboard boots, press [F2] to display the BIOS Setup.
4. When the motherboard boots, press [F10] to display the Boot Menu.

Selecting Menu Options

- To select (highlight) options and menu screens, use the arrow keys.
- To select a submenu, use the [Enter] key.
- To exit from a submenu, use the [Esc] key.
- To change field values, use the [F5] and [F6] keys.
- To view help information on the possible selections for the highlighted item, select the [F1] key.
- To load optimal default, select the [Exit Menu] and do any of the following:
    1. Select [Load Optimal Default], and then press [Enter].
    2. Or, press [F9] and then press [Enter].
- To save the changes, select the [Exit Menu] and do any of the following:
    1. Select [Exit Saving Changes], and then press [Enter].
    2. Or, press [F10] and then press [Enter].

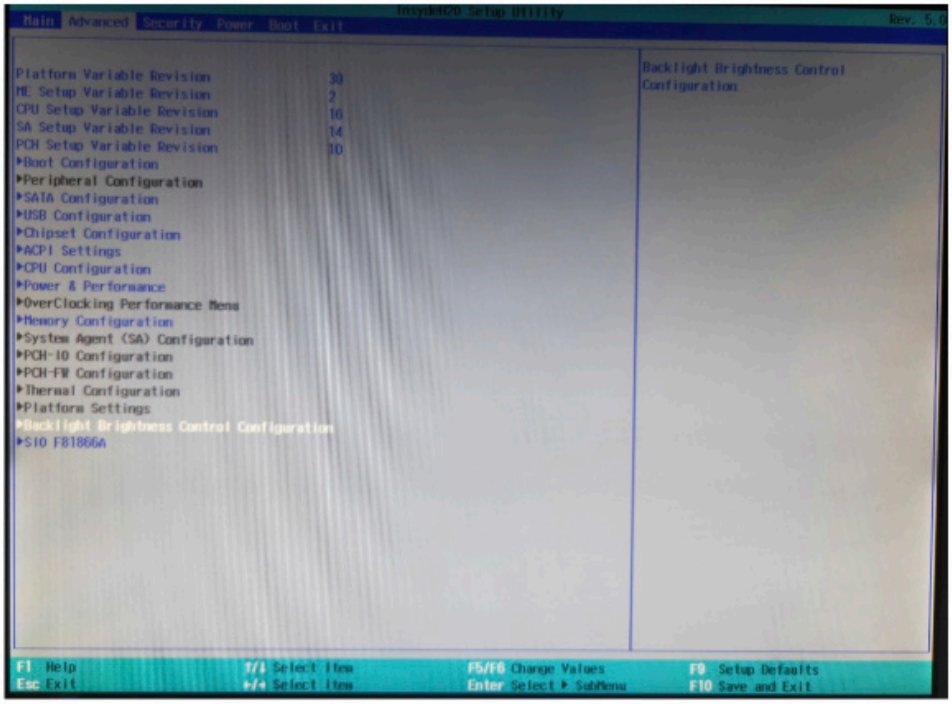
Main Tab

Under <Main>, select < System Time > or <System Date> to change the sstem date and time.

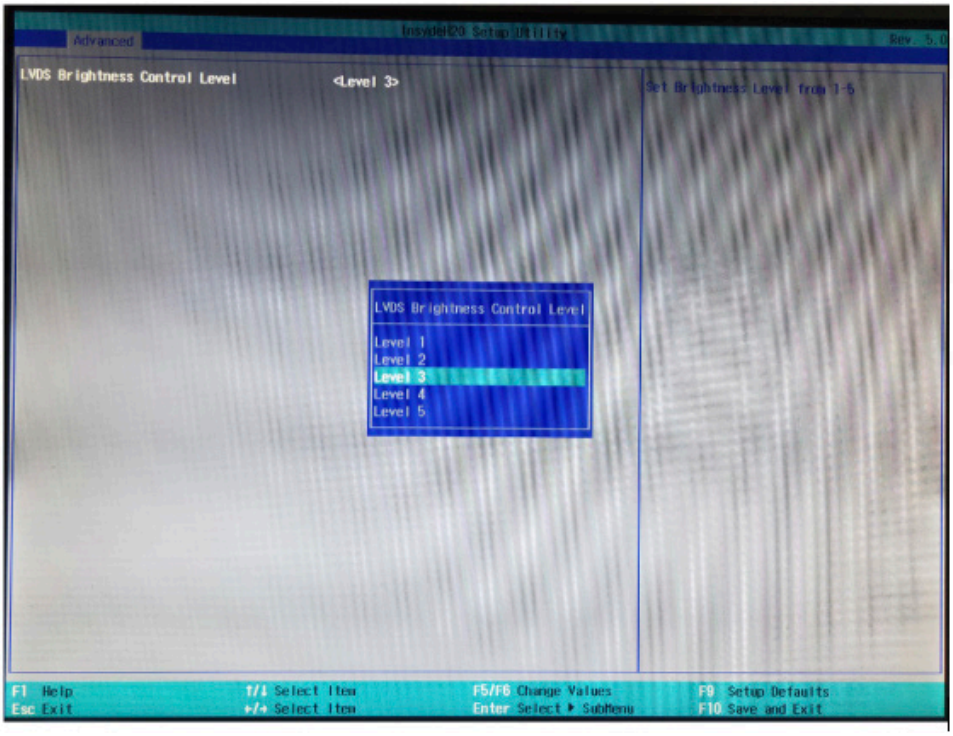


Advanced Tab for setting the LCD Brightness

1. Select <Advanced> and then select <Video Configuration>.

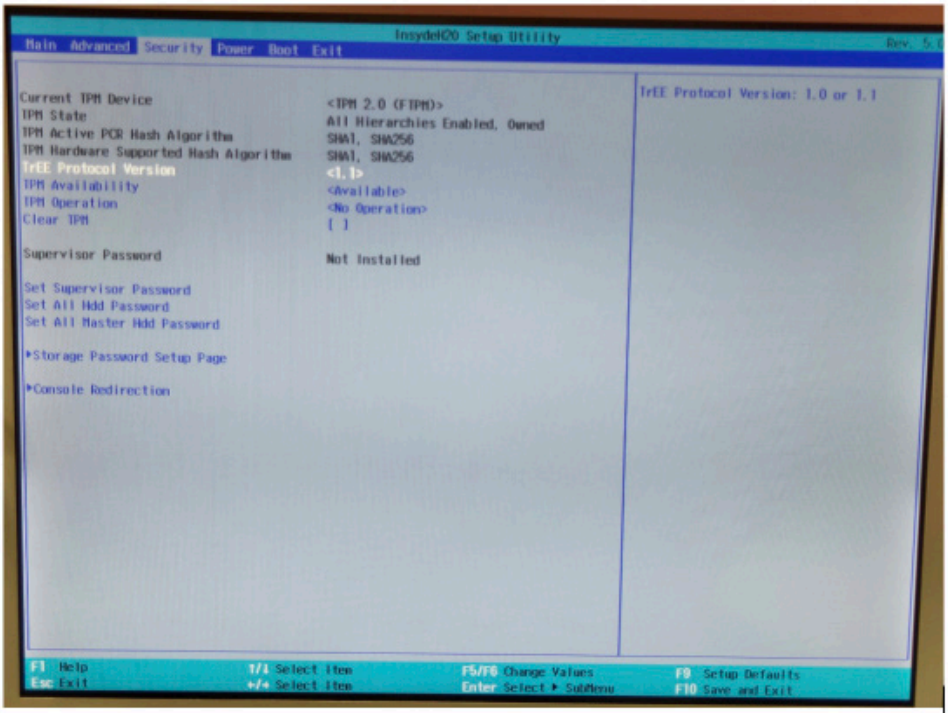


2. Select <Brightness Control Level>. Default setting is [Level 3].

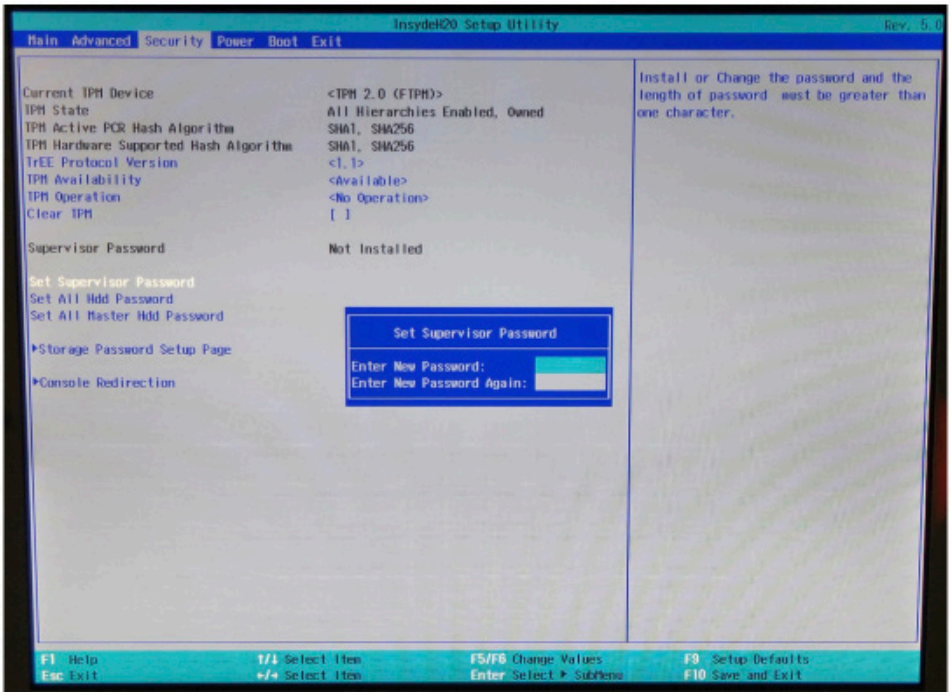


Security Tab for setting Supervisor Password

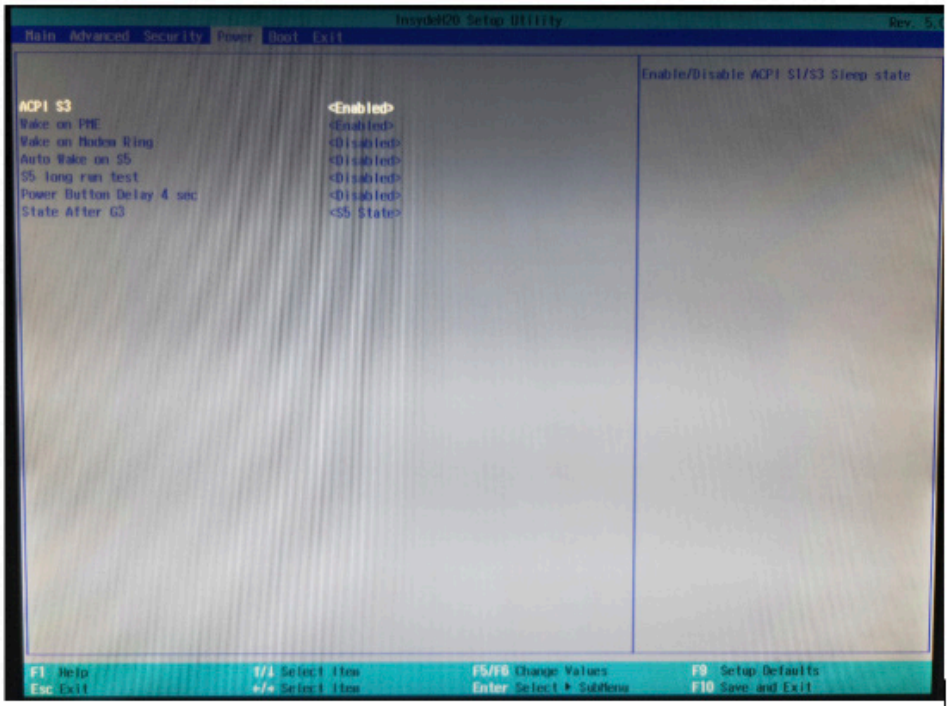
1. Select <Security> and then Set <Supervisor Password>.



2. Enter New Password and then Enter New Password Again and then select [YES].



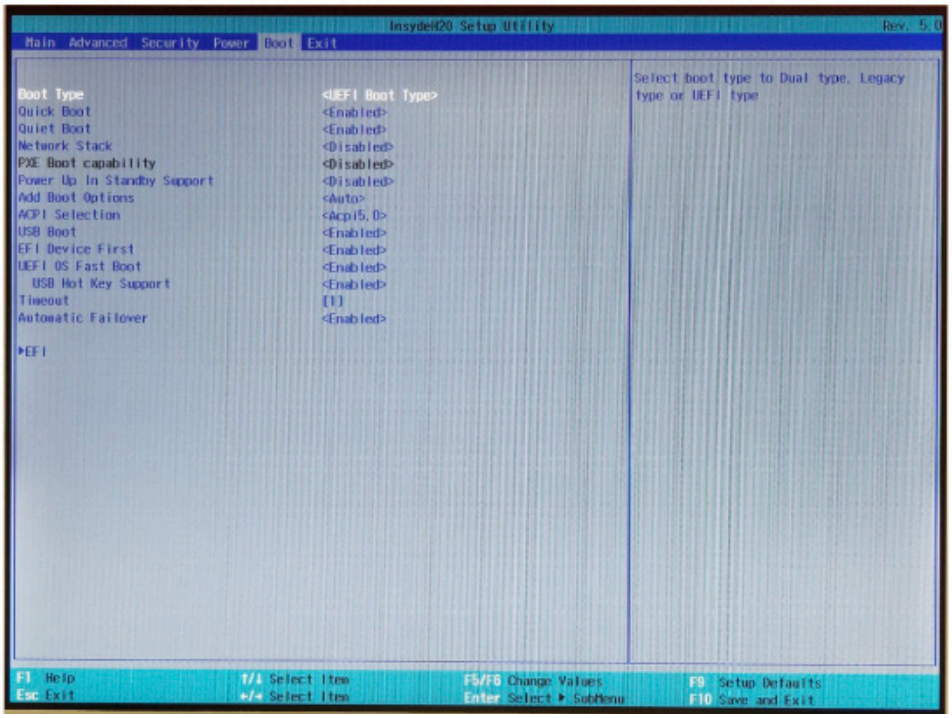
Power Tab



Boot Tab for setting Boot Type

1. Select <Boot> and then Set <Boot Type>.

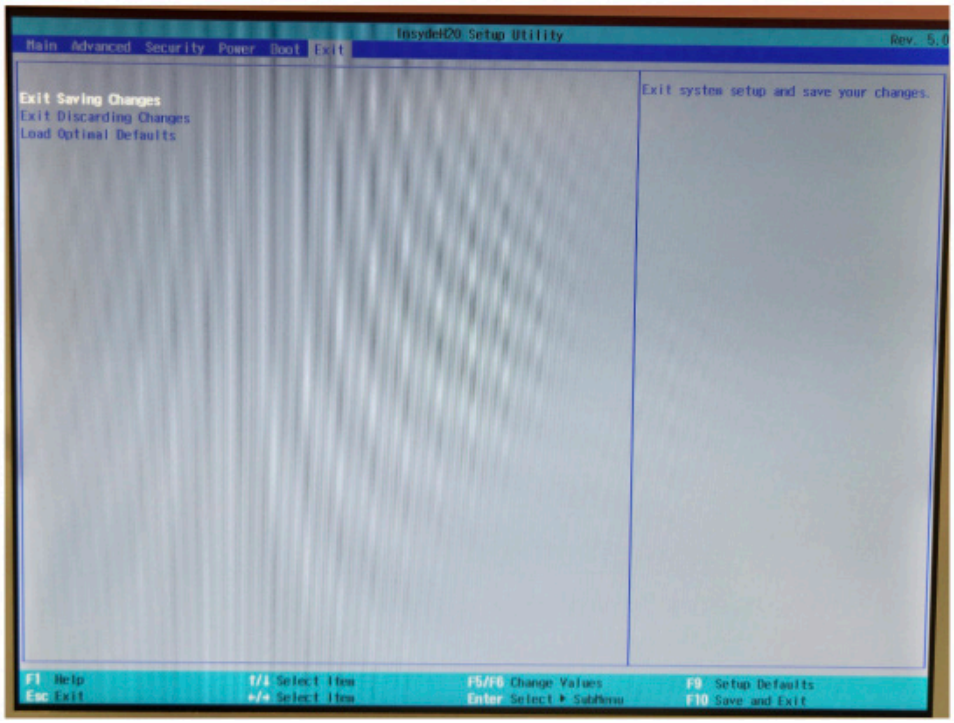
2. Select <Legacy Boot Type> or <UEFI Boot Type>. Default setting is [Legacy Boot Type].



Save & Exit Tab

1. Select [Load Optimal Default], and then press [Enter].

2. Select [Exit Saving Changes], and then press [Enter].

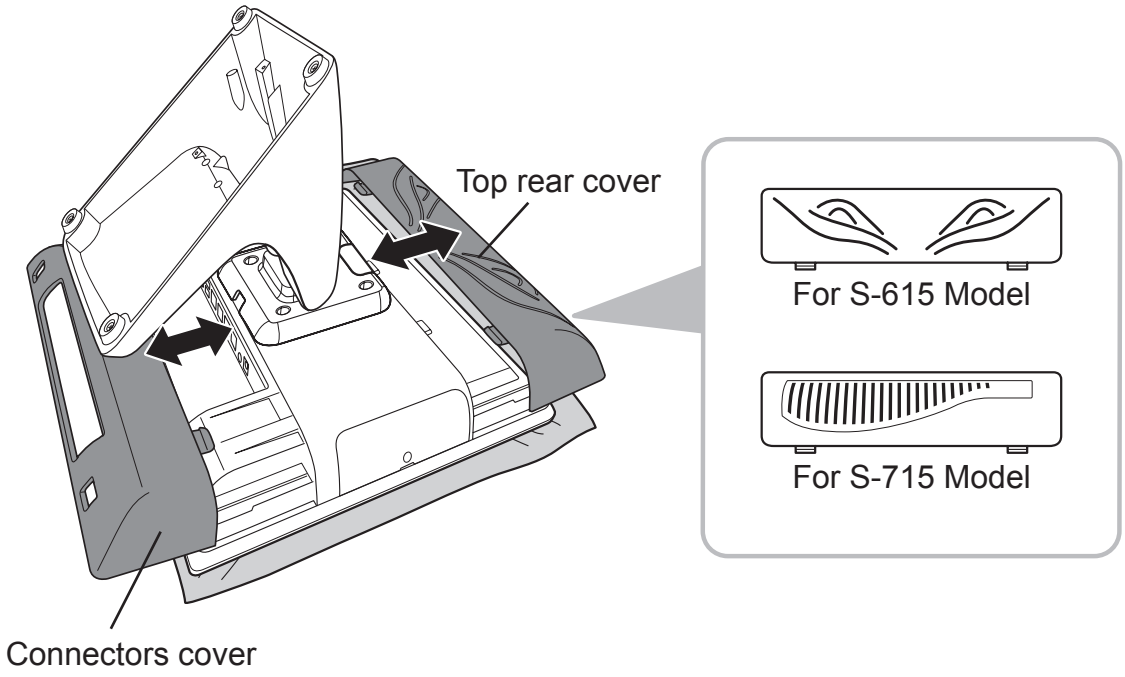


Chapter 5

Hardware Installation

Replacing the Rear Covers

1. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down.
2. Slide the top rear cover off the Touch Terminal.
3. Replace the top rear cover on the Touch Terminal.
4. Repeat steps 1 and 2 to replace the connectors cover.

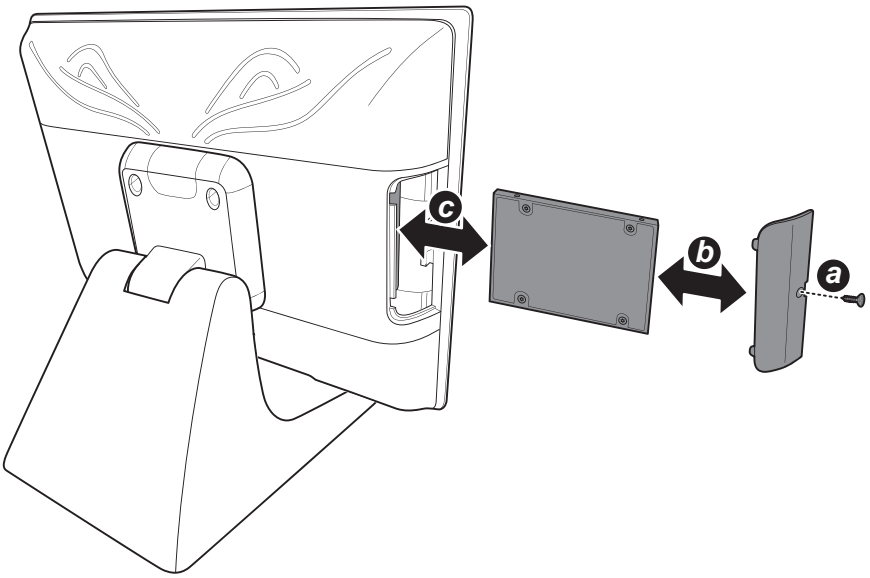


Installing / Replacing the HDD

WARNING:

Be sure to turn off the power of the Touch Terminal before making any connection or disconnection.

1. Remove the screw from the HDD/identification reader compartment cover. **(a)**
2. Detach the HDD/identification reader compartment cover. **(b)**
3. Install the HDD into its compartment in the Touch Terminal, making sure the connectors are aligned correctly. **(c)**
4. Replace the HDD/identification reader compartment cover **(b)** and secure with the screw. **(a)**



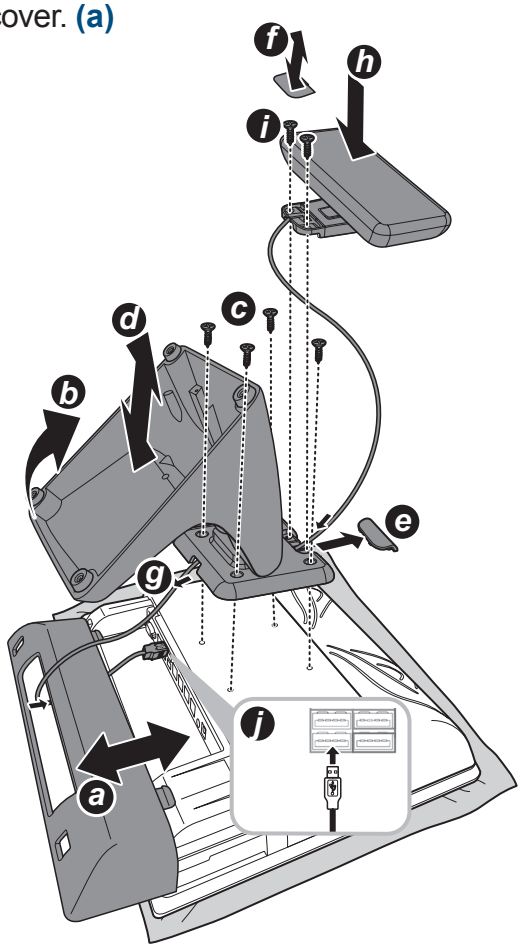
Installing the Customer Display (Optional)

WARNING:

Be sure to turn off the power of the Touch Terminal before making any connection or disconnection.

1. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down.
2. Remove the connectors cover. **(a)**
3. Rotate the panel stand to access the screws securing the panel stand to the Touch Terminal. **(b)**
4. Remove the four screws securing the panel stand to the Touch Terminal. **(c)**
5. Detach the panel stand. **(d)**
6. Detach the VESA compartment cover. **(e)**
7. Detach the customer display compartment cover. **(f)**
8. Route the customer display cable through the cable compartment on the panel stand. **(g)**

9. Align and install the panel stand to the Touch Terminal. **(d)**
10. Secure the panel stand to the Touch Terminal with the four screws. **(c)**
11. Align and install the customer display into its slot on the panel stand. **(h)**
12. Secure the customer display to the Touch Terminal using the two screws. **(i)**
13. Replace the customer display compartment cover. **(f)**
14. Connect the customer display's interface cable to the corresponding port on the Touch Terminal. **(j)**
15. Replace the connectors cover. **(a)**

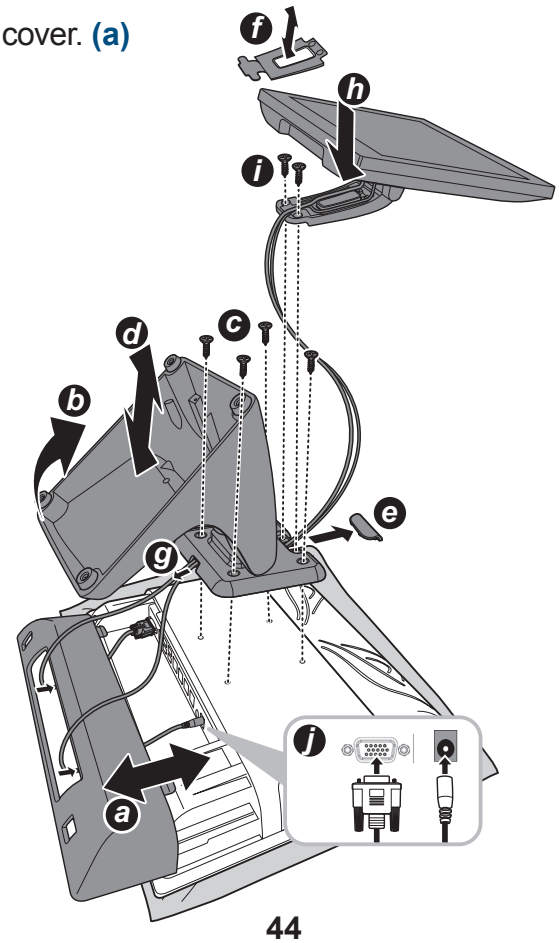


Installing the Secondary LCD Display (Optional)

WARNING:

Be sure to turn off the power of the Touch Terminal before making any connection or disconnection.

1. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down.
2. Remove the connectors cover. **(a)**
3. Rotate the panel stand to access the screws securing the panel stand to the Touch Terminal. **(b)**
4. Remove the four screws securing the panel stand to the Touch Terminal. **(c)**
5. Detach the panel stand. **(d)**
6. Detach the VESA compartment cover. **(e)**
7. Detach the secondary LCD display compartment cover. **(f)**
8. Route the secondary LCD display cable through the cable compartment on the panel stand. **(g)**
9. Align and install the panel stand to the Touch Terminal. **(d)**
10. Secure the panel stand to the Touch Terminal with the four screws. **(c)**
11. Align and install the secondary LCD display into its slot on the panel stand. **(h)**
12. Secure the secondary LCD display to the Touch Terminal with the two screws. **(i)**
13. Replace the secondary LCD display compartment cover. **(f)**
14. Connect the secondary LCD display's interface cable to the corresponding port on the Touch Terminal. **(j)**
15. Replace the connectors cover. **(a)**



Installing the Identification Reader (MSR/iButton/Fingerprint/RFID/M+i) (Optional)

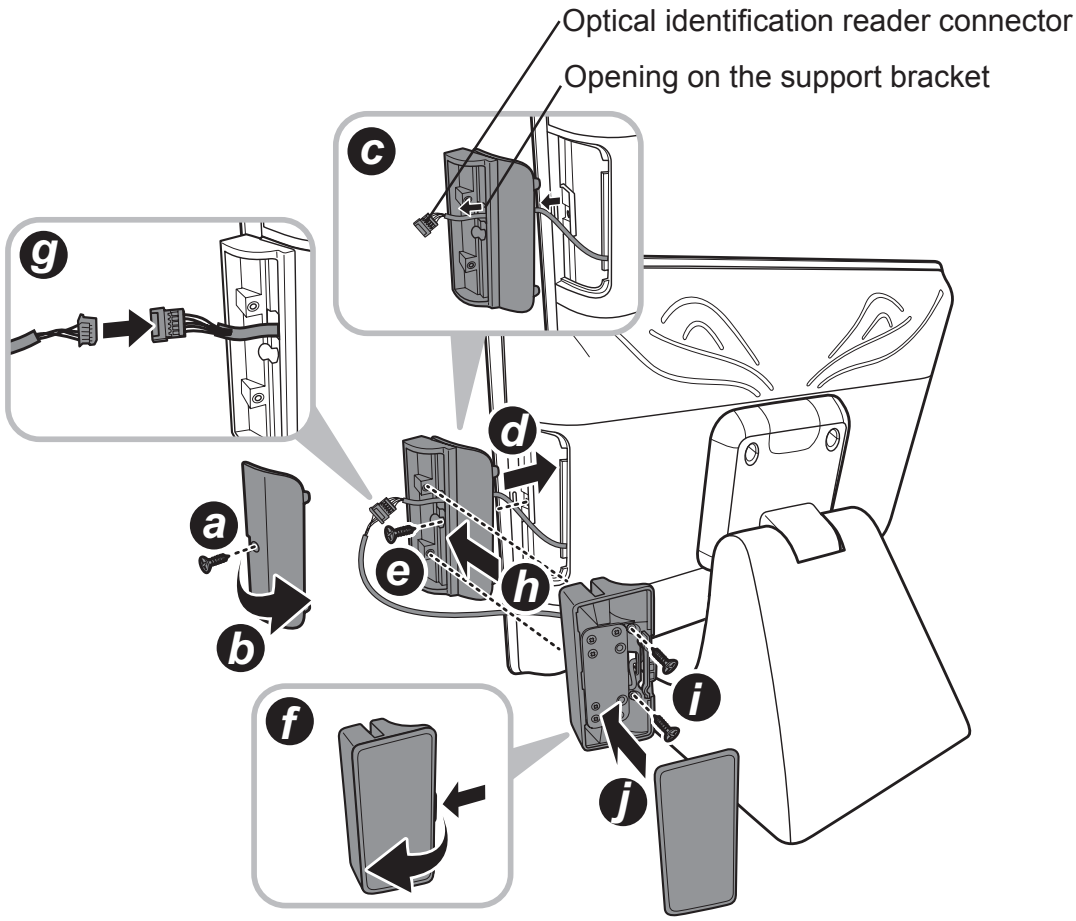
WARNING:

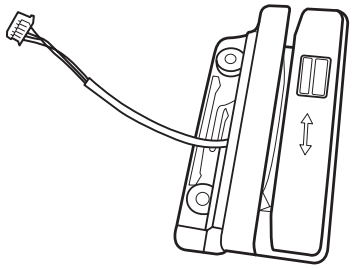
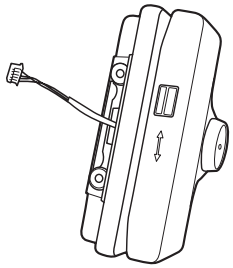
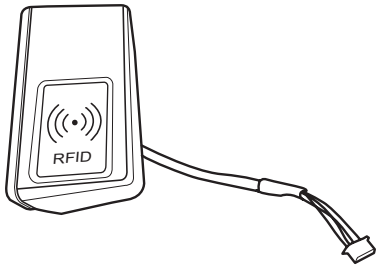
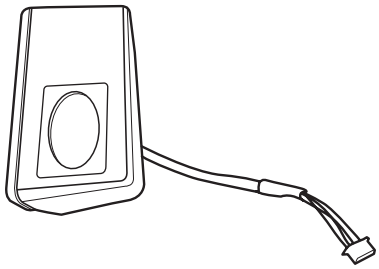
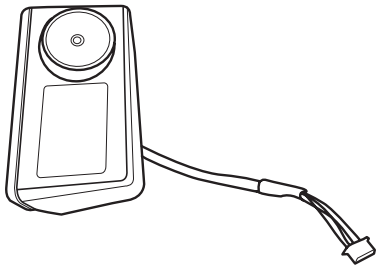
Be sure to turn off the power of the Touch Terminal before making any connection or disconnection.

NOTE:

- *The identification reader can be installed on either side of the Touch Terminal.*

1. Remove the screw securing the HDD/identification reader compartment cover to the Touch Terminal. **(a)**
2. Detach the HDD/identification reader compartment cover from the Touch Terminal. **(b)**
3. Route the optical identification reader connector through the opening on the support bracket. **(c)**
4. Align and install the support bracket to the Touch Terminal. **(d)**
5. Secure the support bracket to the Touch Terminal with the screw. **(e)**
6. Detach the identification reader compartment cover. **(f)**
7. Connect the identification reader connector with the optional identification reader connector. **(g)**
8. Align by the screw holes and then install the identification reader to the support bracket. **(h)**
9. Secure the identification reader to the support bracket with the two screws. **(i)**
10. Attach the identification reader compartment cover to the identification reader. **(j)**



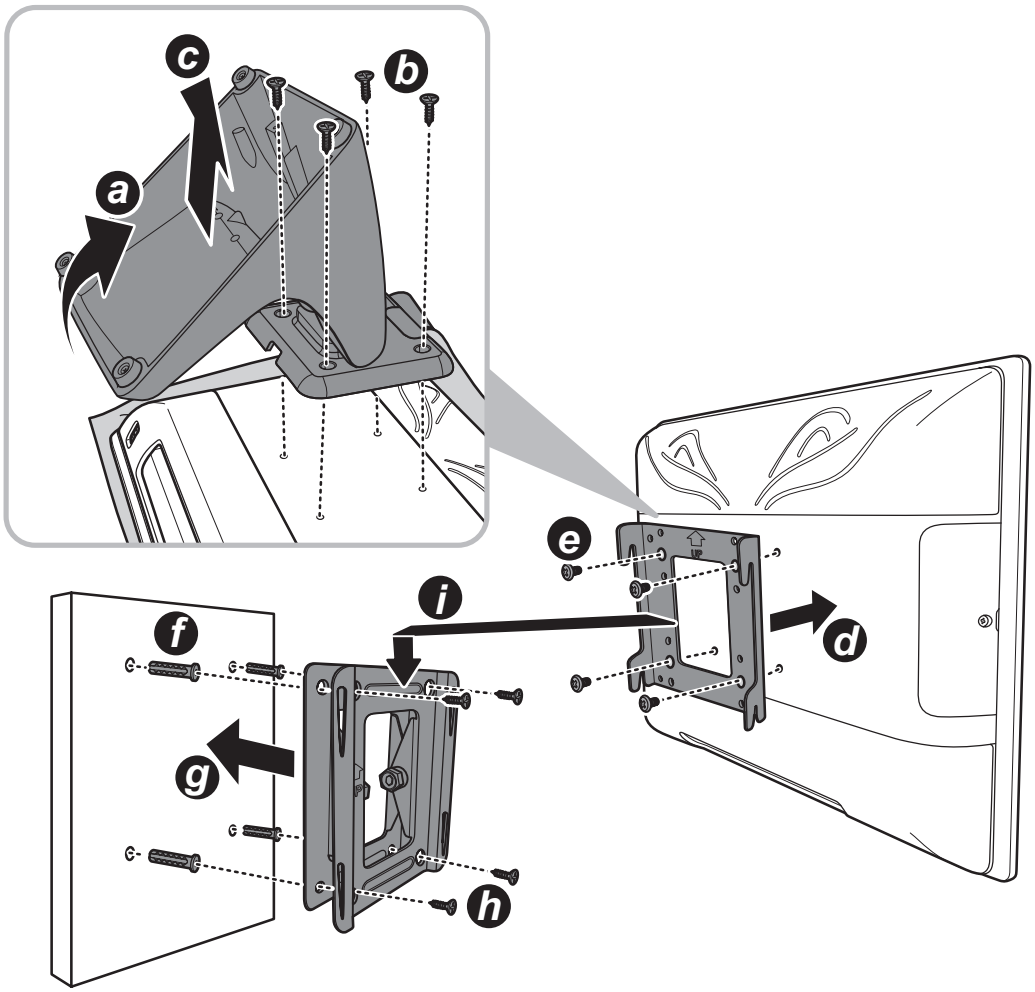
Identification Reader	Item Name
	Magnetic Stripe Reader (MSR)
	MSR + iButton Reader
	Radio-Frequency Identification Reader (RFID)
	Fingerprint Reader
	iButton Reader

Installing the VESA Mount (Optional)

NOTE:

- *Use only wall mount kits approved by the manufacturer. Wall mount kits are sold separately.*
- *The Touch Terminal device is compatible with a VESA mounting hole pattern of 75x75mm.*

1. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down.
2. Rotate the panel stand to access the screws securing the panel stand to the Touch Terminal. **(a)**
3. Remove the four screws securing the panel stand to the Touch Terminal. **(b)**
4. Remove the panel stand. **(c)**
5. Align and install the mount bracket on the back of the Touch Terminal. **(d)**
6. Secure the mount bracket to the Touch Terminal with the four screws. **(e)**
7. Drill four small holes on the mounting location and insert the plastic washers into the holes. **(f)**
8. Align by the screw holes and then install the wall bracket on the wall. **(g)**
9. Secure the wall bracket to the wall with the four supplied screws. **(h)**
10. Align and hook the Touch Terminal to the wall bracket, and then push down to secure it into place. **(i)**



Chapter 6

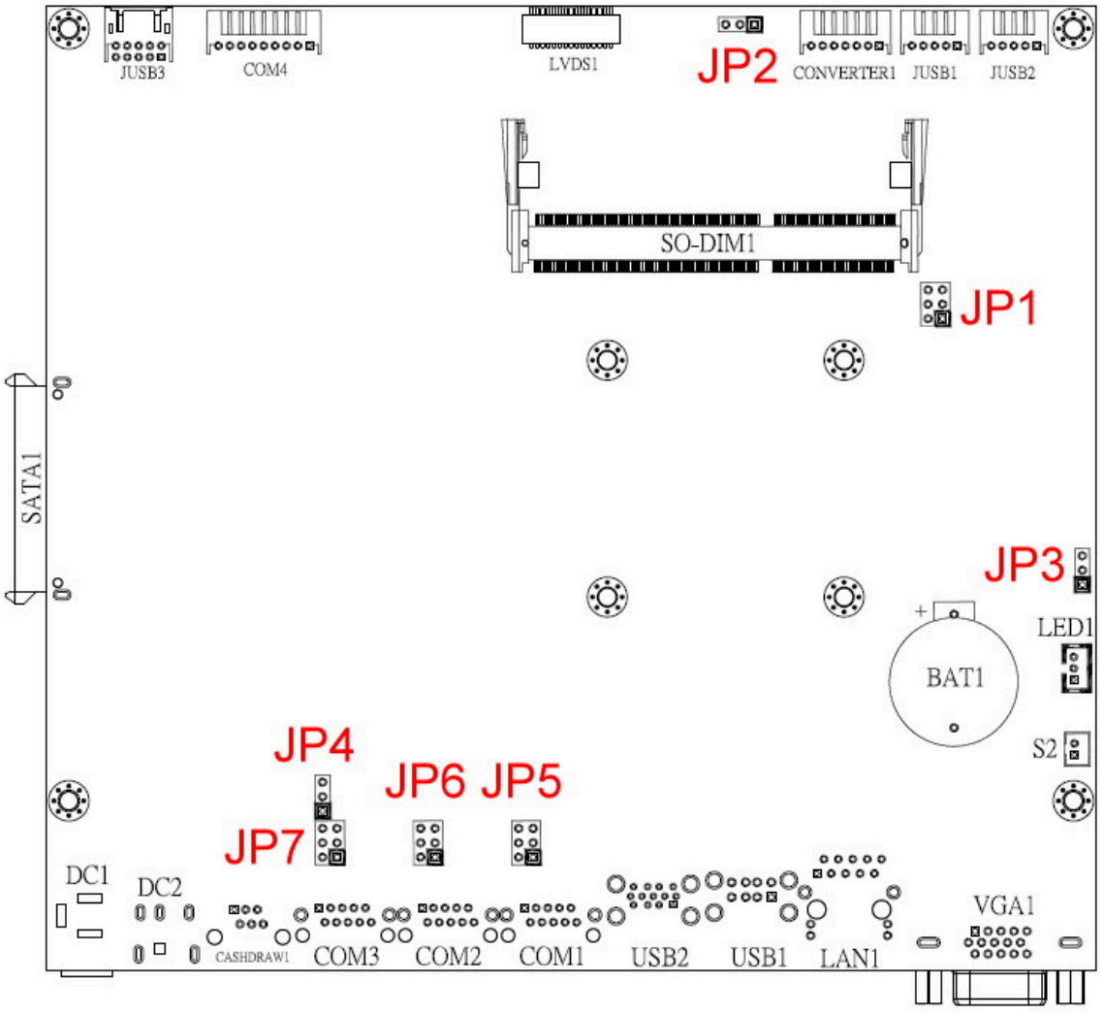
Frequently Asked Questions (FAQ)

How do I clear CMOS?

S-615L

To clear CMOS, do the following:

1. Turn off power and pull out the power cord.
2. Insert the JP3 jumper cap to clear CMOS PIN and remove the jumper cap from clear CMOS PIN.
3. Switch on the power again.
4. Press <F2> to enter CMOS setting and load optimized defaults.



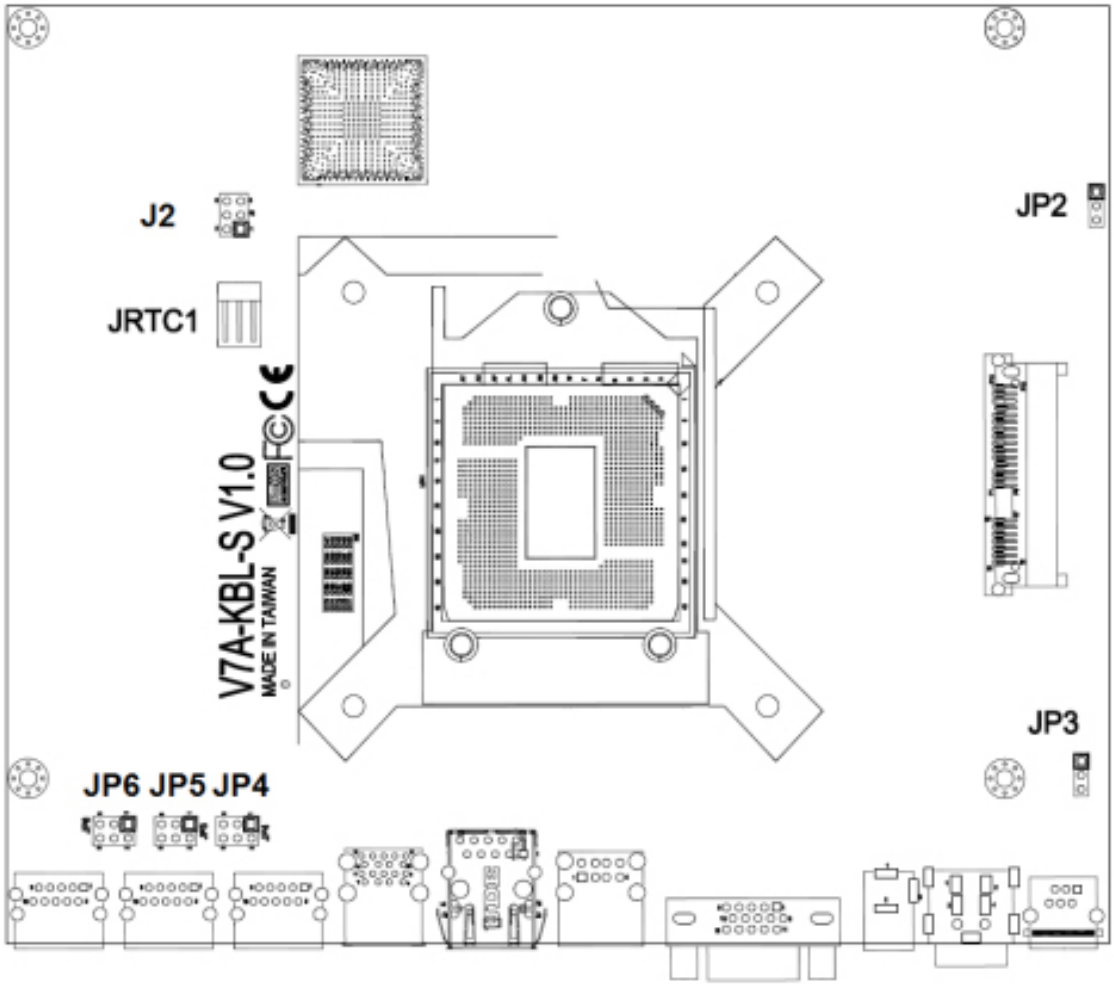
JP3: Clear CMOS

	Pin	Definition	Definition
1 2 3	1-2	Normal	1-2
	2-3	Clear CMOS	

S-715L

To clear CMOS, do the following:

1. Turn off power and pull out the power cord.
2. Insert the JRTC1 jumper cap to clear CMOS PIN and remove the jumper cap from clear CMOS PIN.
3. Switch on the power again.
4. Press <F2> to enter CMOS setting and load optimized defaults.



JRTC1: Clear CMOS

1 2 3	Pin	Definition	Definition
	1-2	Normal	1-2
	2-3	Clear CMOS	