Glamor Series

G-615S / G-715S / G-715SR

User's Manual V2.0

About this Manual

Thank you for purchasing Glamor 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.
  - ◊ Liquid has been spilt on to the equipment.
  - ◊ The equipment has been dropped and damaged.
  - ◊ The equipment does not function normally.
- Do not block any ventilation openings to prevent the equipment from overheat.
- 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.

Patent

Patent pending.

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

The use of shielded cables for connection of the monitor to the graphics card is required to assure compliance with FCC regulations. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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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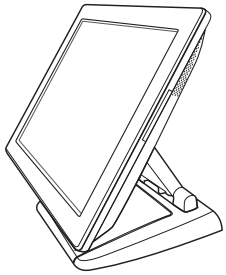
Chapter 1

Introduction

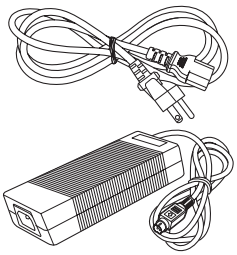
Congratulations on your purchase of this Touch Terminal. Your easy-to-use POS terminal is designed to help you enhance your business flexibility by offering superior customer experience.

Package Contents

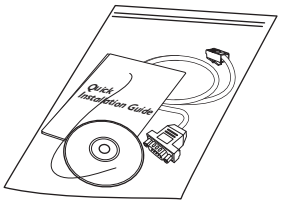
Before setting up your Touch Terminal, check that the package contains the following items. If any of the items is missing or damaged, contact your vendor immediately.



Touch Terminal

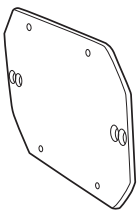


Power Cord & Adapter

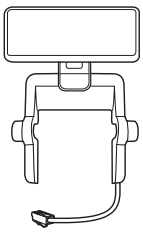


Accessory Kit

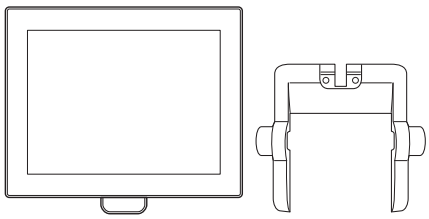
Optional Accessories



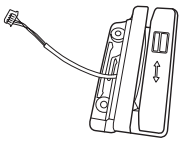
VESA plate
(for VESA model only)



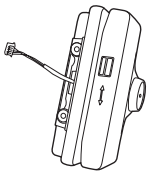
Customer Display
(VFD/LCM)



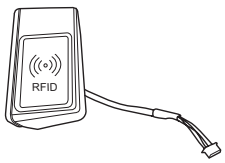
Second LCD Display (8”/10”)



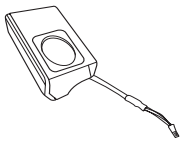
MSR Identification Reader



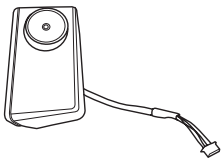
MSR+iButton Identification Reader



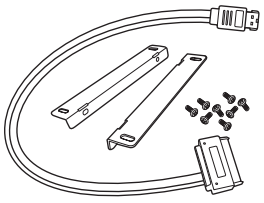
RFID Identification Reader



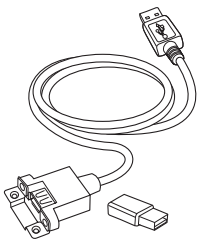
Fingerprint Identification Reader



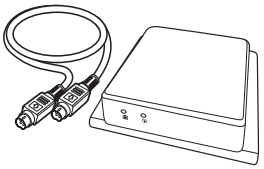
iButton Identification Reader



Second Hard Disk Drive Installation Kit



Wireless Module

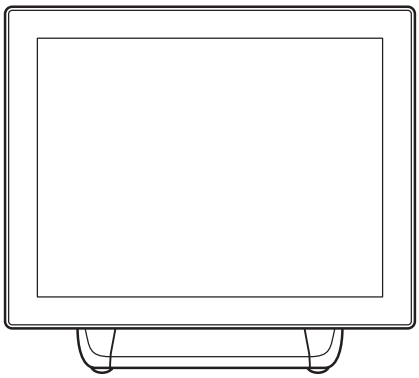


UPS Kit

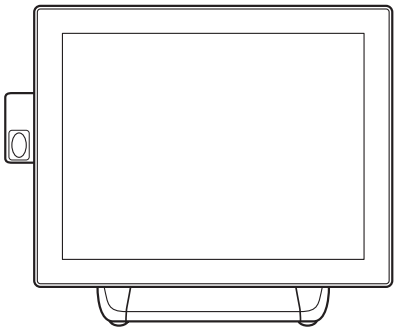
Overview of Glamor Series

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

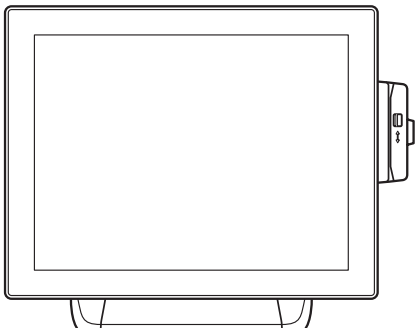
Front View



Standard Type



**with IG-10 identification reader*

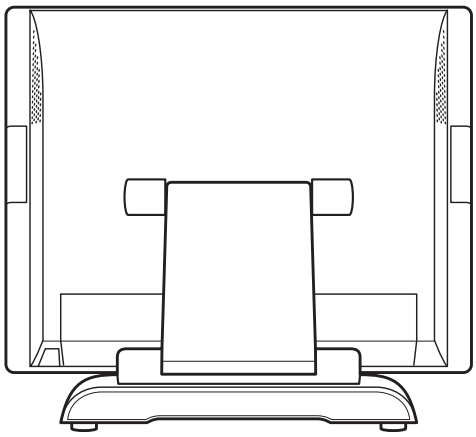


**with IG-20 identification reader*

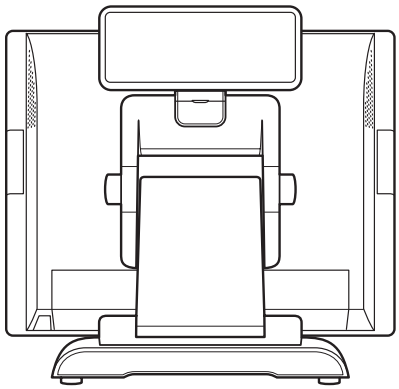
NOTE:

- *IG-10 identification reader is an optional accessory.*
- *IG-20 identification reader is an optional accessory.*

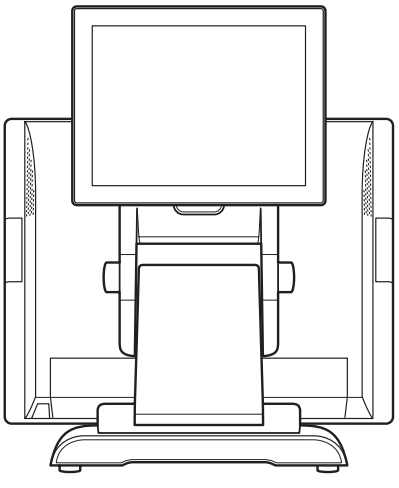
Rear View



Standard Type



Customer Display Type

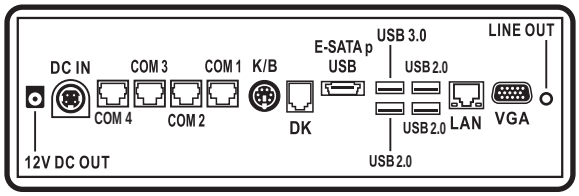


Secondary LCD Display Type

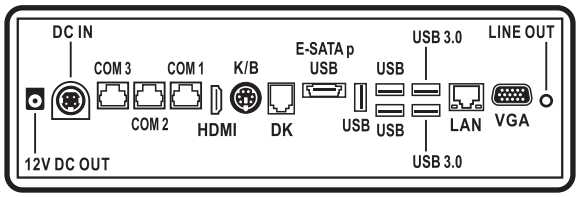
NOTE:

- *LCM/VFD customer display is an optional accessory.*
- *8"/10" second LCD display is an optional accessory.*

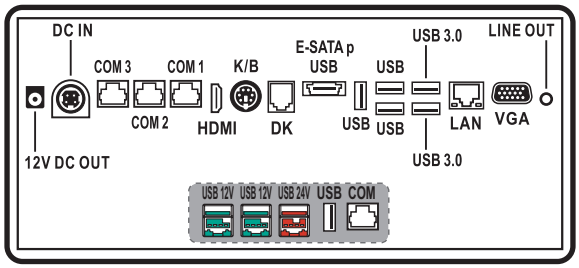
I/O Ports



G-615S



G-715S

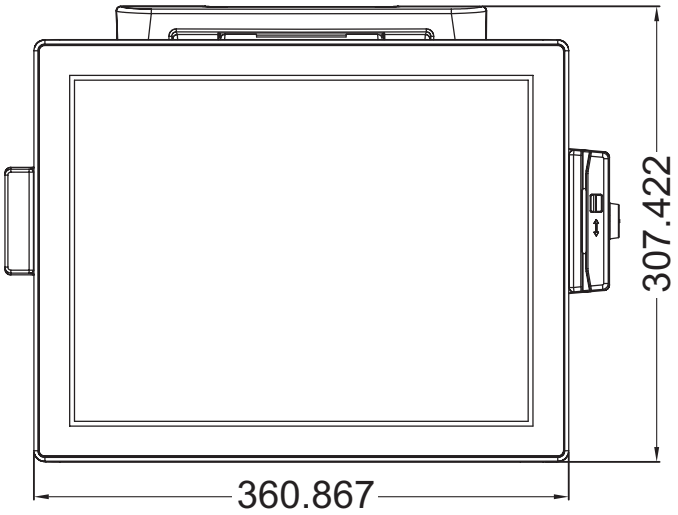


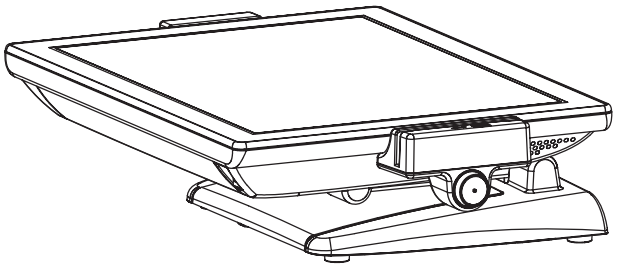
G-715SR

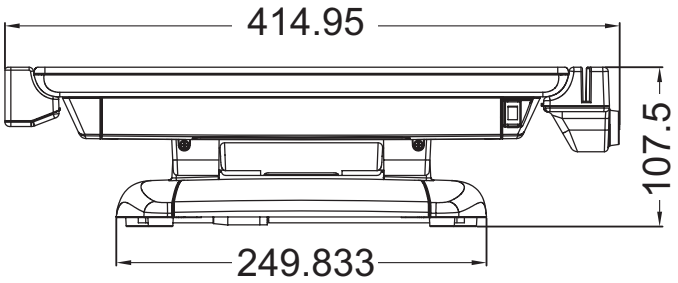
Item	Description
DC OUT jack	12V DC power output
DC IN jack	DC power input
COM ports	COM connectors
K/B port	PS/2 keyboard connector
DK port	Cash Drawer output
E-SATAp port	E-SATA + USB connector
USB2.0 ports	USB2.0 connectors
USB3.0 ports	USB3.0 connectors
LAN port	Gigabit LAN connector
VGA port	VGA output connector
Line Out port	Audio line output connector
HDMI port	HDMI Vertical connector
USB 12V	12V Powered USB connector
USB 24V	24V Powered USB connector

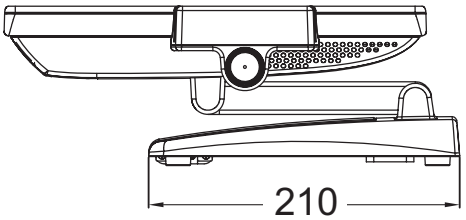
Physical Dimensions

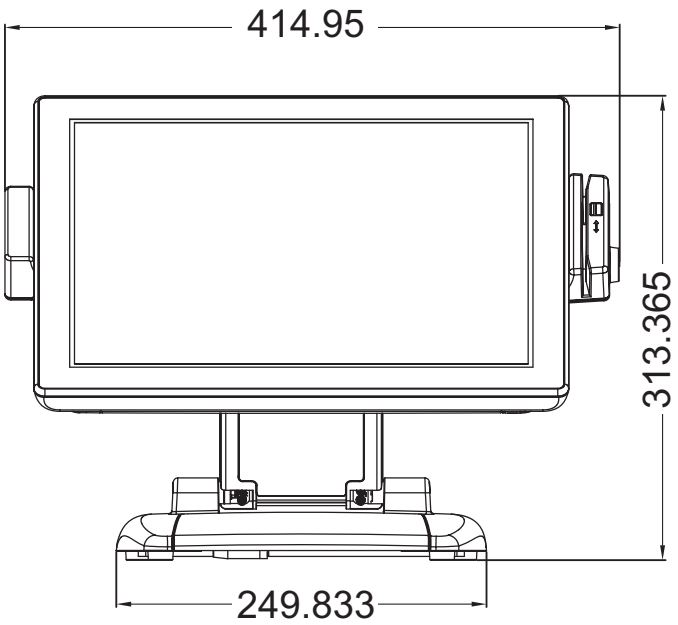
Standard Display



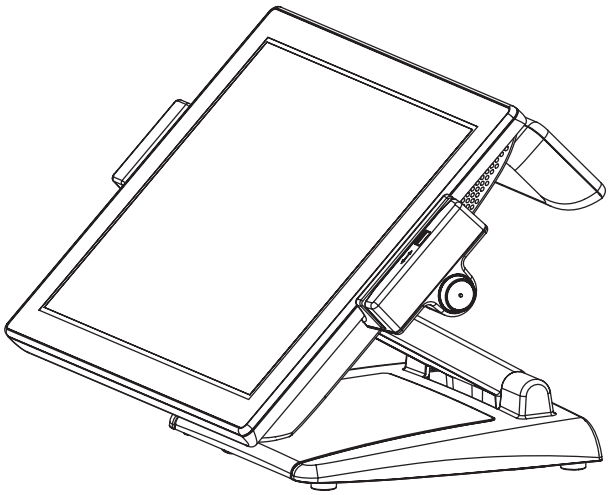


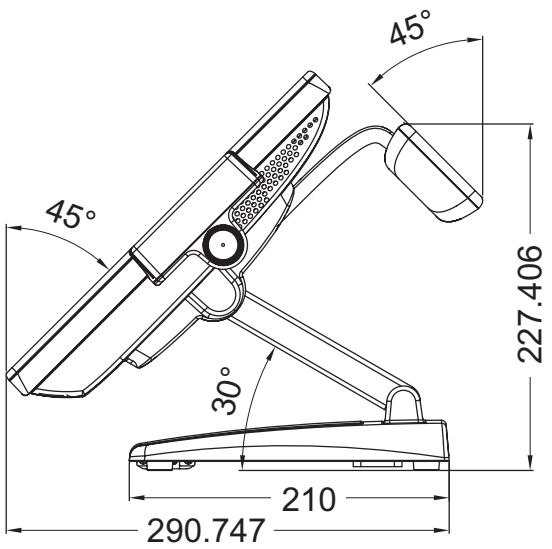


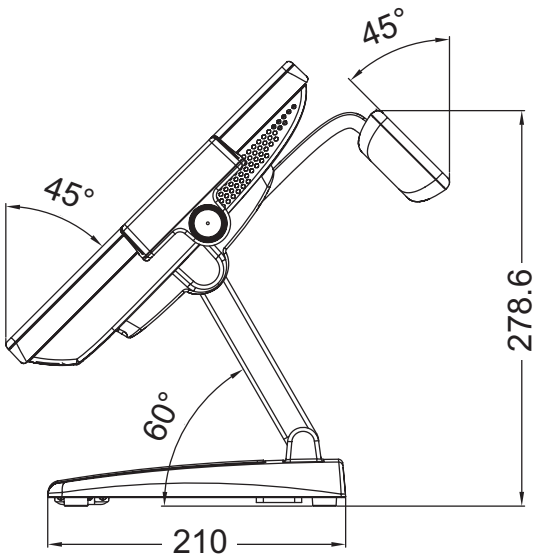




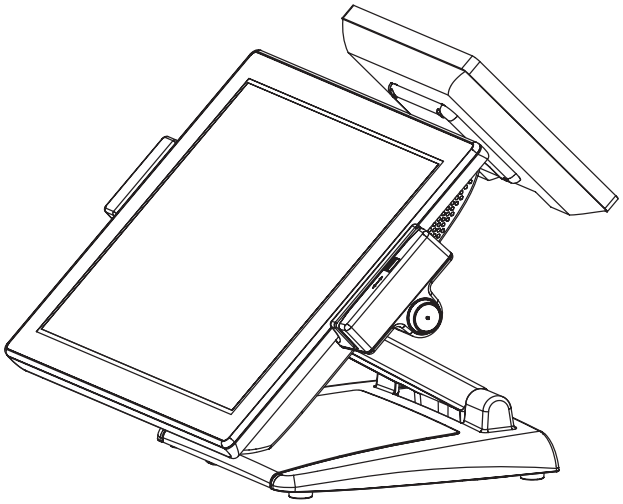
LCM/VFD Customer Display

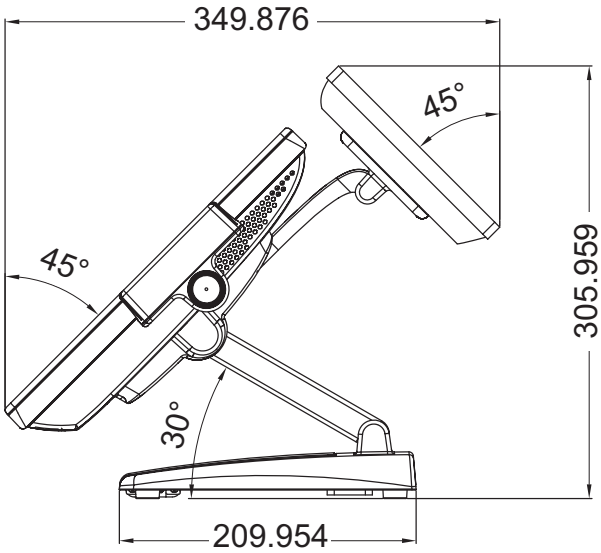


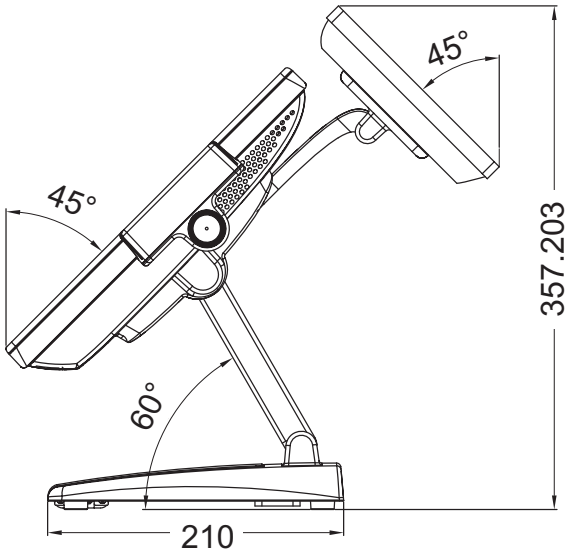




8” Secondary LCD Display







Specifications

Touch Terminal Specifications

Model number	Glamor Series		
	G-615S	G-715S	G-715SR
LCD & Touch Panel			
LCD Panel	15” LED-backlit display		
Resolution	1024 x 768 (default)		
Brightness	300 cd/m^2		
Touch Screen	flat Resistive (USB) / flat Projected Capacitive Touch (USB)		
System Configuration			
Intel® CPU	Celeron® J1900 2.0GHz/2.4GHz (burst) (Quad-core)	Celeron® G1820TE 2.2 GHz Core™ i3-4350T 3.1GHz Core™ i5-4590T 2.0GHz	
Chipset	SoC	Intel® Q87/H81 Express Chipset	Intel® Q87 Express Chipset
Main Memory	204Pin DDR3L RAM*2 slots, up to 8GB	204Pin DDR3L RAM*2 slots, up to 16GB	
Graphic Memory	Shared memory up to 1696MB DVMT	Shared memory up to 1720 MB DVMT	
Storage	1 x 2.5” SATA HDD or 1 x 2.5” SSD Dual disk drives (option) mSATA(option)		
RAID function	n/a	RAID0/1 (Q87 chipset is required)	
Remote Management	n/a	Intel AMT9.0 (Core™ i5 CPU is required)	

Model number	Glamor Series		
	G-615S	G-715S	G-715SR
I/O Ports			
Parallel (option)	by cable output		
USB2.0	3	3	
USB3.0	1	2	
eSATAp/USB2.0 combo	1	1	
RJ45 COM	4	3	
Gigabit Ethernet	1	1	
Line out	1	1	
PS/2 keyboard	1	1	
VGA	1	1	
HDMI	Reserved onboard	1	
RJ12 cash drawer	1 (Dual cash drawer support)	1(Dual cash drawer support)	
DC12V out	1	1	
DC in	1	1	
Extension I/O Brick	n/a	n/a	2*12V P-USB 1*24V P-USB 1*USB2.0 1*RJ45 COM
Powering System			
Power Supply	External DC Power adapter. AC100 to 240V full range.		
Power Button	1 x System on/off trigger		
Brightness Control	Yes, by BIOS setting		
Physical Dimensions			
Dimension (L x W x D)	Fold-flat: 114*361*307mm Low-profile (30-degree): 262*361*307mm Upright (60-degree): 313*361*307mm		
Weight	Net weight: 6.6Kg (with stand)/ 3.9Kg(without stand) Gross weight: 7.6Kg(with stand)/ 4.9Kg(without stand)		

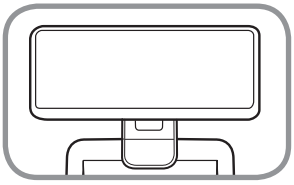
Model number	Glamor Series		
	G-615S	G-715S	G-715SR
Safety & Environment			
Product Certification	CE / FCC / CB / LVD certificated		
Operation Temperature	0°C to 40°C		
Storage Temperature	-25°C to 70°C		
O/S Compatibility	Windows 7/ POSReady 7 / Windows 8.1 Industry / Windows 10/ Linux Kernel 3.0 or above		

NOTE:

Specifications are subject to change without notice.

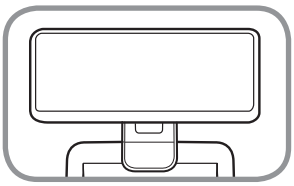
Peripherals Specifications

Vacuum Fluorescent Display (VFD)



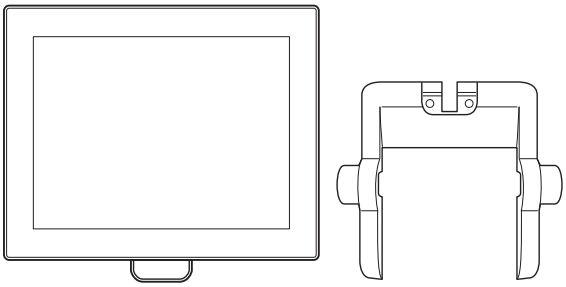
Model no.	CM-7100
Display Method	Vacuum Fluorescent Display (VFD)
Polarizer color	Black
Backlight color	Yellow green
Brightness	500-1000 cd/m2
Display capacity	20 characters x 2 lines
Character format	5 x 7 dot matrix, cursor
Character type	95 Alphanumeric, 32 International characters
Dot size	0.55 (W) X 0.75 (H) mm
Input power type	5V DC
Interface	RS232

Liquid Crystal Module (LCM)



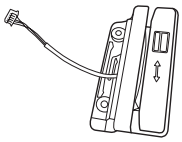
Model no.	CM-3000
Polarizer color	Blue
Backlight color	White
Display capacity	20 characters x 2 lines
Character format	5 x 8 dots
Character type	International (Default) English-Russia/English-Japanese/Traditional Chinese/Simplified Chinese (Optional, factory-installed required)
Dot size	0.93 (W) x 1.11 (H) mm
Input power type	5V DC
Interface	RS232

2nd LCD Display

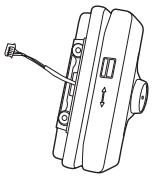


Model no.	MN-0810	MN-1010
LCD Panel	8” TFT LED backlight	10.4” TFT LED backlight
Resolution	800 x 600	
Color	262,144	
Viewing Angle	140° (H) / 125° (V)	110° (H) / 150° (V)
Response Time	25ms (typical)	30ms (typical)
Contrast Ratio	500:1 (typical)	
Brightness	250 nits (typical)	300 nits (typical)
Video Input	Analog VGA	
Power Supply	DC 12V	DC 12V

Identification Reader

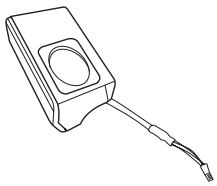


MSR Identification Reader

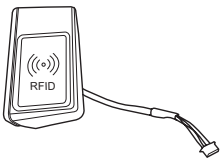


MSR+iButton Identification Reader

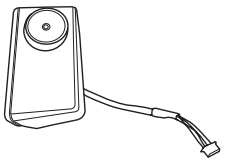
Model no.	IG-20L
MSR	ISO Track 1/2/3 single/dual/ triple tracks of magnetic card, support ANSI/ ISO Standards7810, 7811 1/5, 7812 & 7813. USB HID Keyboard mode interface
iButton Detector	Dallas DS1990A compliment / With leading / ending programming function. USB HID Keyboard mode interface



Fingerprint Identification Reader



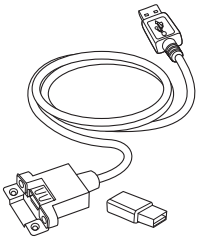
RFID Identification Reader



iButton Identification Reader

Model no.	IG-10
iButton Detector	Dallas DS1990A compliment / With leading / ending programming function. USB HID Keyboard mode interface
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
NFC reader	Frequency 13.56MHz. ISO14443A, ISO1443B, ISO15693, PicoTag read UID and data, Felica read UID. MIFARE®:1-3cm, IS15693:2-4cm. USB HID Keyboard mode interface

Wireless Module



Interface	USB2.0
Wireless Type	IEEE 802.11ac/a/b/g/n/d/e/h/i
Frequency Range	2.4GHz and 5GHz dual band

UPS

Input Data	
Nominal input voltage	DC24V
Input voltage range	DC22V~DC26V
Buffer time	0.5Hr~1Hr (Depending on POS system and configuration.)
Output Data in Normal Operation	
Nominal output voltage	DC 21.09V ~ 23.31V
Output current	2.7A
Current limit	9A
Charging	
Charge characteristic curve	Liner mode
End-of-charge voltage	DC12.6V
Charge current	DC1.35A (C.C. Mode under DC 12.6V)
Ambient temperature Operation/storage	0°C to +40°C / 20°C to +70°C
Humidity At +25°C	5%~ 95%, no condensation
Other	
MTBF (Bellcore mode / Not including Battery Set)	A target calculated MTBF of the power supply is greater than 200,000 hours under the following condition: 24Vdc input, Full rated load, 25°C ambient

Chapter 2

Preparing For the Installation

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

- Glamor Series do not support PCI slot.
- Do not insert or remove any device or component from the Glamor Series while the power is turned on.
- If using Glamor 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 Glamor 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 SoC limitation, the G-615S is required to install at least one DDR3L memory module before booting up the operating system. Be sure to install it in the DDR3L channel 1 socket.

System Default Settings

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

G-615S

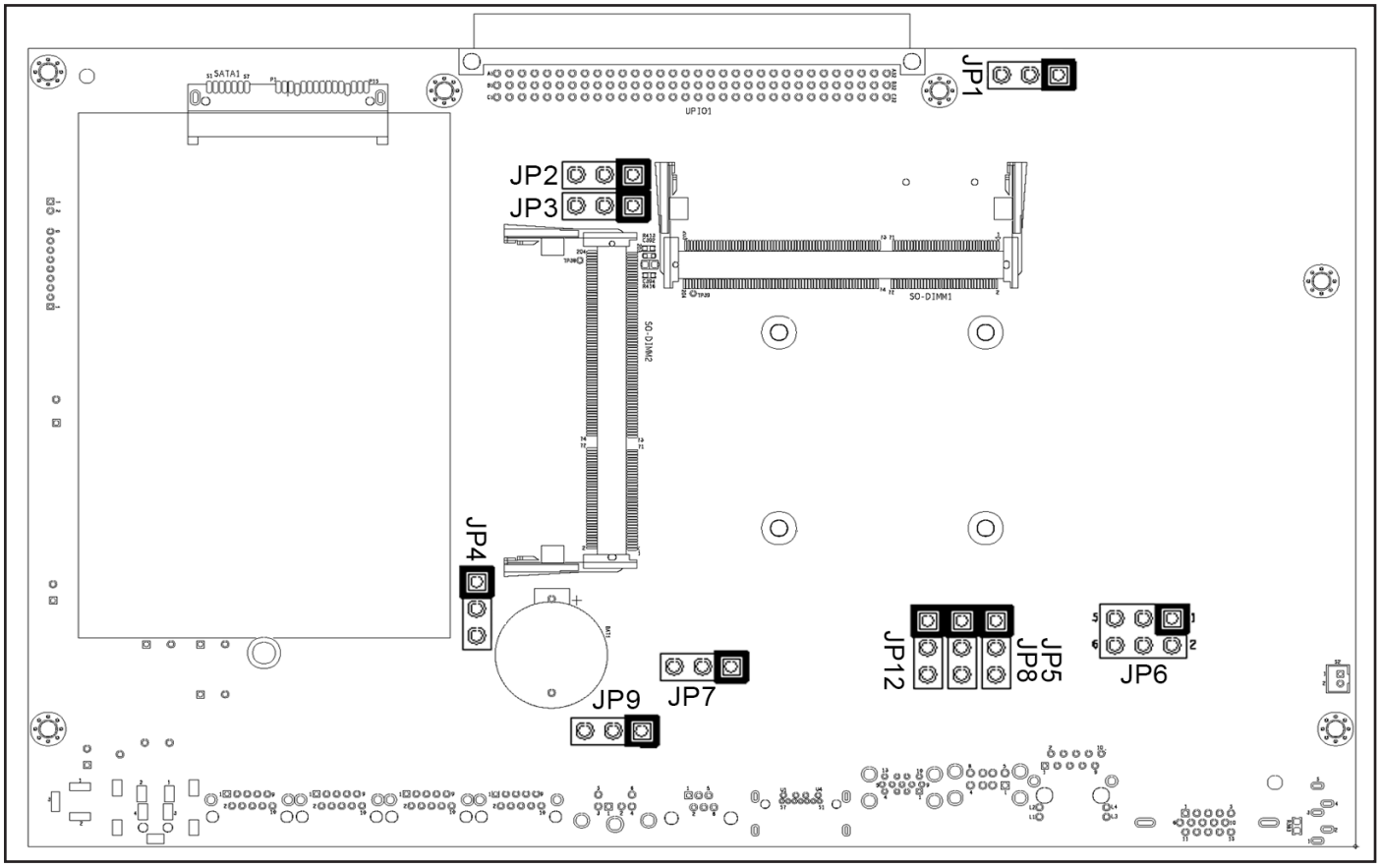
COM1	COM2	COM3	COM4	COM5	COM6
3F8	2F8	3E8	2E8	2F0	2E0
IRQ4	IRQ3	IRQ5	IRQ10	IRQ5	IRQ10

G-715S/ G-715SR

COM1	COM2	COM3	COM4	COM5	COM6
3F8	2F8	3E8	2E8	2F0	2E0
IRQ4	IRQ3	IRQ5	IRQ10	IRQ5	IRQ10

Main Board Jumper Setting and Connector Definition

G-615S



Connector/Jumper	Description
CN1	LAN connector
CN2	COM1 connector
CN3	COM2 connector
CN4	COM3 connector
CN5	COM4 connector
CN6	USB3.0 *1 connector USB2.0 *1 connector
CN7	USB2.0 *2 connector
CN8	Cash Drawer output
CN9	PS/2 keyboard connector
CON10	12V DC power output
CON11	E-SATA + USB connector
CON12	DC power input
CON13	Audio line output connector
CON14	VGA output
J1	80 Port Debug Connector (Factory use only)
J2	Parallel Port Connector (optional)
J3 / J4	COM5/4 RS232 Serial Port

Connector/Jumper	Description
J5	M/B Signal convergence connector
J6	System Function Connector
J7	SATA3.0 2.5” HDD/SSD 7+15PIN Dock
J8	DDR3L SO-DIMM (channel 1)
J9	DDR3L SO-DIMM (channel 2)
J10	Power Button Connector
J11	Mini PCIE V1.2 Connector
JP1	SPI Flash Tool Connector (Factory use only)

JP1: LCD Panel Power Selection

	Setting	Function
	Pin 1-2 Short/Closed	3.3V
	Pin 2-3 Short/Closed	5V

JP2/ JP3/ JP5/ JP8/ JP9/ JP12 : USB Power Selection

	Setting	Function
	Pin 1-2 Short/Closed	5VSB
	Pin 2-3 Short/Closed	5V

JP4: Clear CMOS Contents

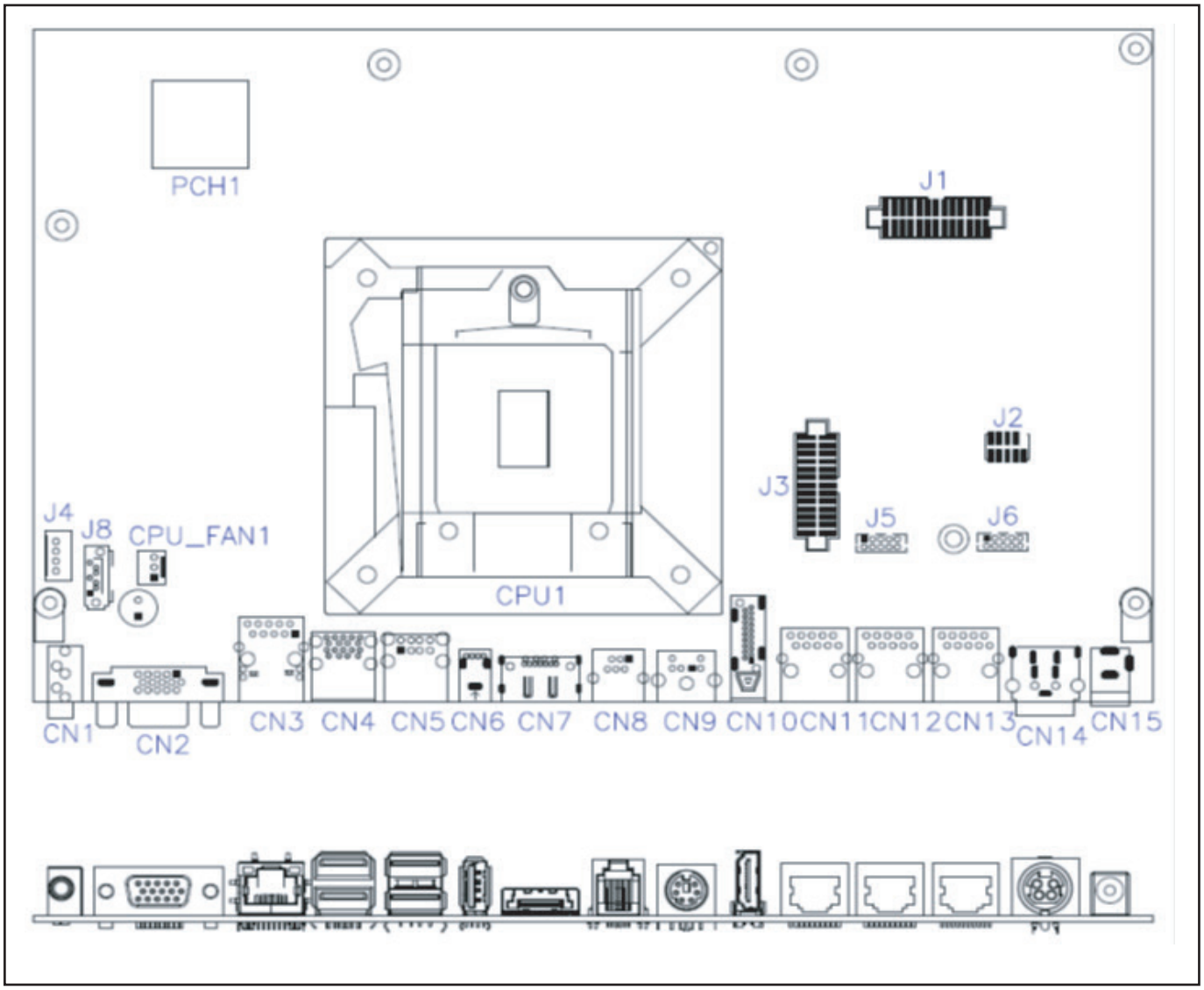
	Setting	Function
	Pin 1-2 Short/Closed	Normal
	Pin 2-3 Short/Closed	Clear CMOS

JP7: Cash Drawer Power Selection

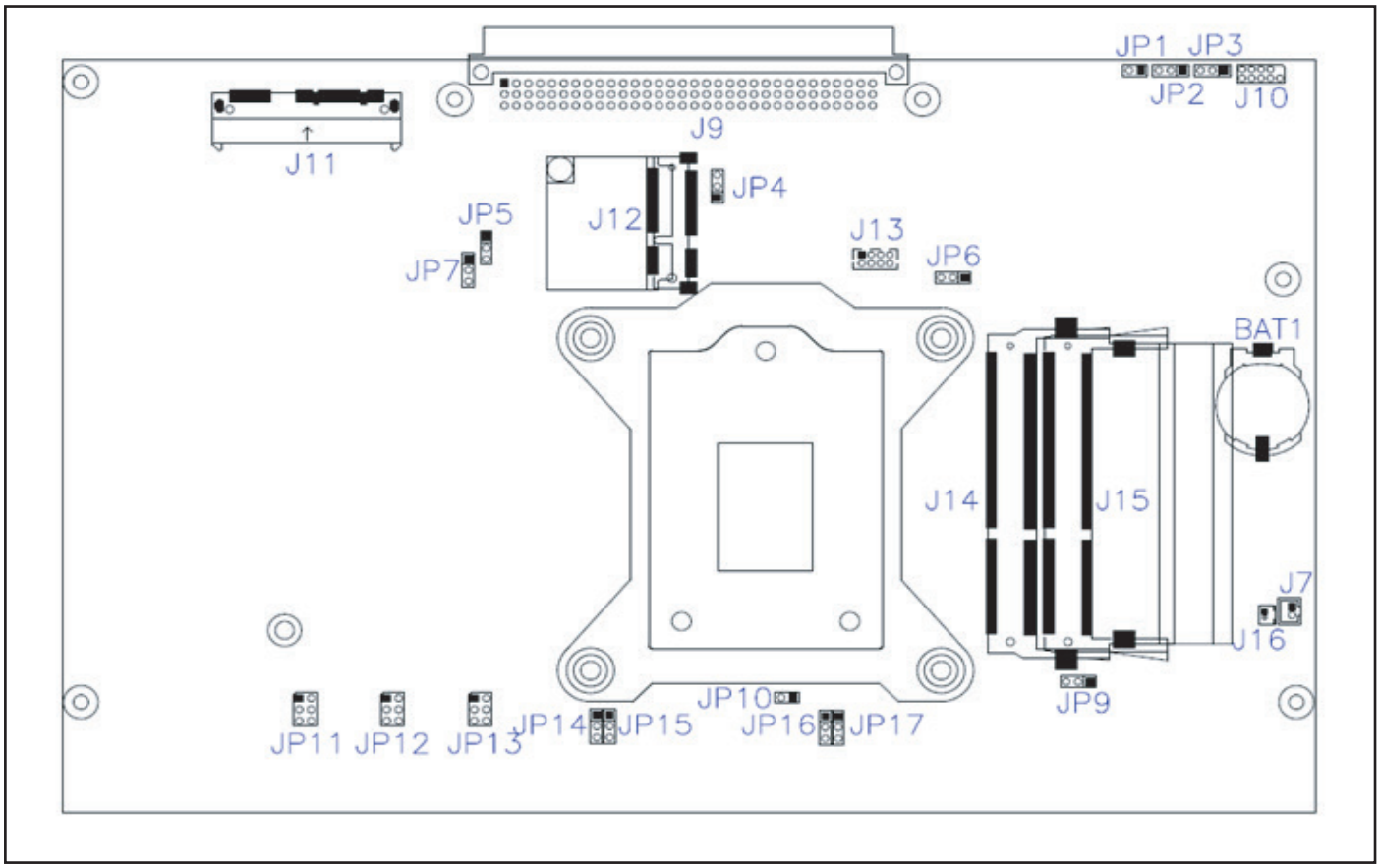
	Setting	Function
	Pin 1-2 Short/Closed	24V
	Pin 2-3 Short/Closed	12V

G-715S/G-715SR

Top View



Bottom View



Connector/Jumper	Description
CN1	Audio line output connector
CN2	VGA output connector
CN3	Gigabit LAN connector
CN4	USB3.0 *2 connector
CN5	USB2.0 *2 connector
CN6	USB2.0 Vertical connector
CN7	E-SATA + USB connector
CN8	Cash Drawer output
CN9	PS/2 keyboard connector
CON10	HDMI Vertical connector
CON11	COM1 connector
CON12	COM2 connector
CON13	COM3 connector
CON14	24V DC power input
CON15	12V DC power output
J1	I/O Brick
J2	80 Port Debug Connector (Factory use only)
J3	Parallel Port Connector (optional)
J4	HDD Power Connector
J5 / J6	COM5/4 RS232 Serial Port
J7	Power Button Connector

Connector/Jumper	Description
J8	SATA Connector (J8 Pin7 Setting by JP8 for SATA DOM)
J9	M/B Signal convergence connector
J10	SPI Flash Tool Connector (Factory use only)
J11	SATA3.0 2.5” HDD/SSD 7+15PIN Dock
J12	Mini PCIE V1.2 Connector
J13	System Function Connector
J14 / J15	DDR3/DDR3L SO-DIMM
J16	Fan2 Power Connector

JP2 CMOS CLEAR JUMPER

	1-2 = Normal 2-3 = CMOS clear	Default = Normal

JP3 ME CLEAR JUMPER

	1-2 = Normal 2-3 = ME clear	Default = Normal

JP4 LVDS VOLTAGE SETTING

	1-2 = +3.3V 2-3 = +5V	Default = Normal

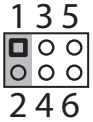
JP5 Flash Descriptor Security Override (Factory use only)

Open = Disabled Close = Upgrade Mode	Default = Normal

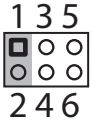
JP6 / JP10 / JP11 USB VOLTAGE SETTING

	1-2 = +5VSB 2-3 = +5V	Default = Normal

JP7 COM 3 D-SUB PIN9 VOLTAGE SELECT

	1-2 = 0V / RI 3-4 = +5V 5-6 = +12V	Default = 0V

JP8 COM 2 D-SUB PIN9 VOLTAGE SELECT

	1-2 = 0V / RI 3-4 = +5V 5-6 = +12V	Default = 0V

JP9 COM 1 D-SUB PIN9 VOLTAGE SELECT

1 3 5 2 4 6	1-2 = 0V / RI 3-4 = +5V 5-6 = +12V	Default = 0V

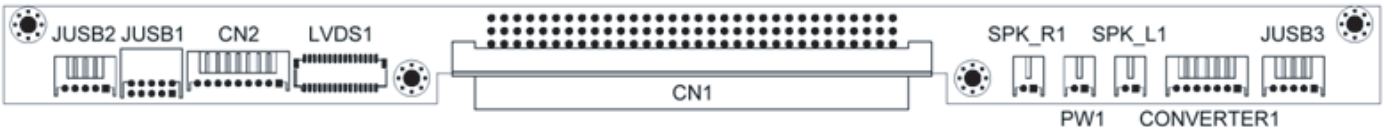
JP12 Keyboard VOLTAGE SETTING

1 2 3	1-2 = 5VSB 2-3 = +5V	Default = Normal

JP13 CASH DRAWER VOLTAGE SETTING

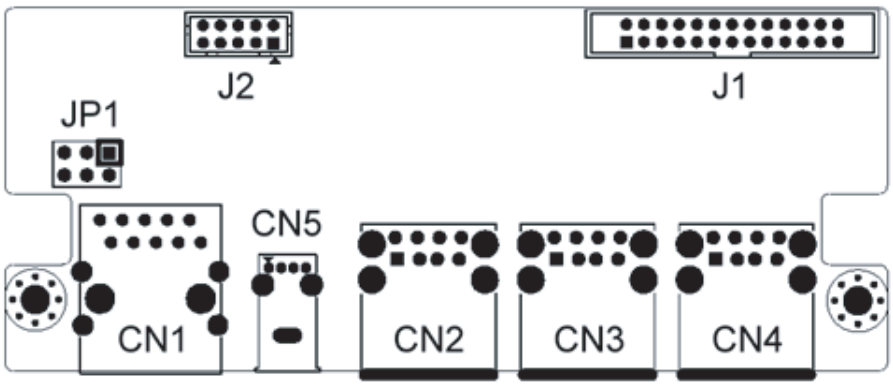
1 2 3	1-2 = +24V 2-3 = +12V	Default = Normal

Signal Convergence Board Connector



Connector/Jumper	Description
JUSB1	USB port for USB Touch
JUSB2	USB port for POS input device
JUSB3	USB port for POS input device
CONVERTER1	LED backlight inverter connector
SPK_L1	Speaker connector
SPK_R1	Speaker connector
PW1	connector to Power switch (optional)
LVDS1	2x15 LVDS connector
CN2	COM5 connector
CN2	COM6 connector for RS-232 POS input device for G-615S / G-715S

Extension I/O Brick Board Connector (For G-715SR only)



Connector/Jumper	Description
J1	USB signal input
J2	COM4 signal input
JP1	COM 4 D-SUB PIN9 VOLTAGE SELECT
CN1	COM4 connector
CN2	24V Powered USB connector
CN3	12V Powered USB connector
CN4	12V Powered USB connector
CN5	USB 2.0 Vertical connector

JP1 COM 4 D-SUB PIN9 VOLTAGE SELECT

1 3 5 2 4 6	1-2 = 0V 3-4 +5V 5-6 +12V	Default = 0V

Voltage Output Definition

G-615S

Connector with Voltage Output	Location	Power Support
COM 1 for extension interface (9th PIN of DB-9)	Main Board	DC5V/DC12V Select by BIOS
COM 2 for extension interface (9th PIN of DB-9)	Main Board	DC5V/DC12V Select by BIOS
COM 3 for extension interface (9th PIN of DB-9)	Main Board	DC5V/DC12V Select by BIOS
COM 4 for extension interface (9th PIN of DB-9)	Main Board	DC5V/DC12V Select by BIOS
COM 5 for Cash Drawer	Main Board	DC5V/DC12V Select by jumper
COM 6 for RS-232 POS input device	Signal Convergence Board	DC5V only
Standard USB2.0 Ports	Main Board, Signal Convergence Board; Power Switch Board	DC5V / 500mA

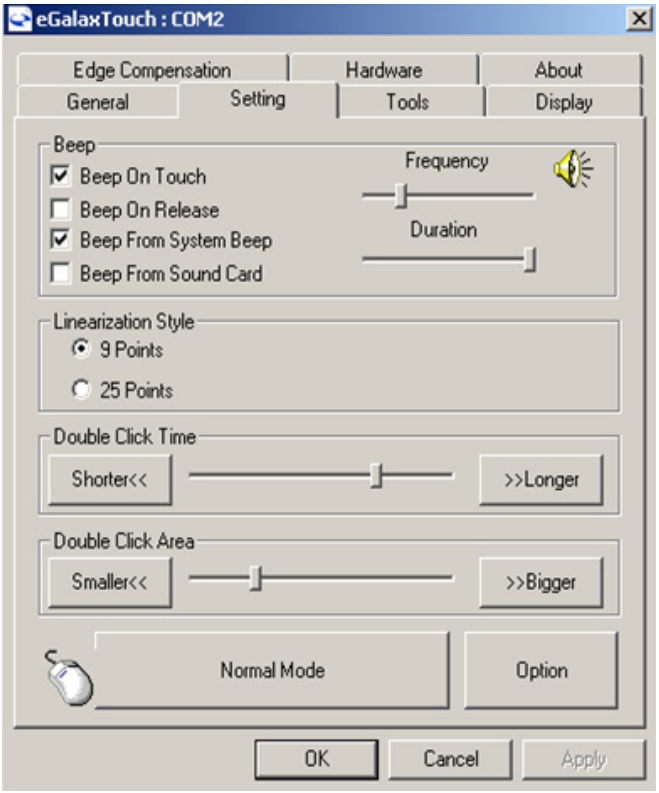
G-715S/G-715SR

Connector with Voltage Output	Location	Power Support
COM 1 for extension interface (9th PIN of DB-9)	Main Board	DC5V/DC12V select by jumper
COM 2 for extension interface (9th PIN of DB-9)	Main Board	DC5V/DC12V select by jumper
COM 3 for extension interface (9th PIN of DB-9)	Main Board	DC5V/DC12V select by jumper
COM 4 for RS-232 POS input device	I/O Brick Board	DC5V/DC12V select by jumper
COM 5 (reserved)	Main Board	N/A
COM 6 for RS-232 POS input device	Signal Convergence Board	DC5V only
Standard USB2.0 Ports	Main Board, Signal Convergence Board; Power Switch Board	DC5V / 500mA

NOTE:

- *Do not plug in or unplug any connector except USB devices when the power is on.*
- *The current loading for all COM ports should not exceed DC 5V/3A and DC 12V/2A.*

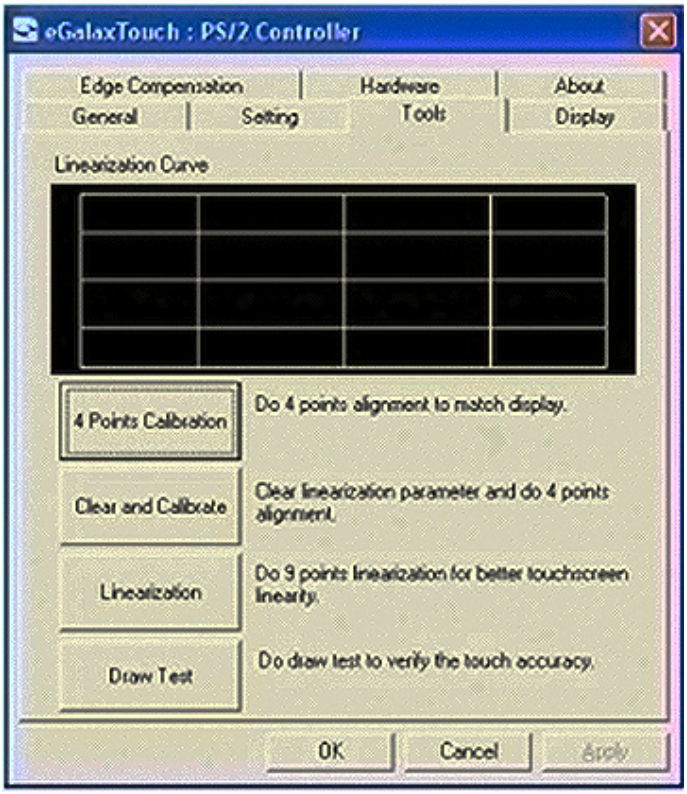
Calibrating the Touch Screen in Windows



Setting

1. Beep
   - ◊ Configure the Touch sound
   - ◊ Frequency: Set the sound type
   - ◊ Duration: Audio sound length
2. Linearization style

   Set 9-point or 25-point calibration



Tools

1. 4 points calibration

   The device needs to be calibrated for the touch screen to work accurately. Whenever the touch screen seems inaccurate, recalibrate the screen again.

   Press this button to display a new window to guide you to do the 4 points calibration.

   On the calibration window, follow the guide and touch and hold the blinking symbol as it moves around the screen. The calibration process is complete when “OK” is shown.

2. Clear and Calibrate

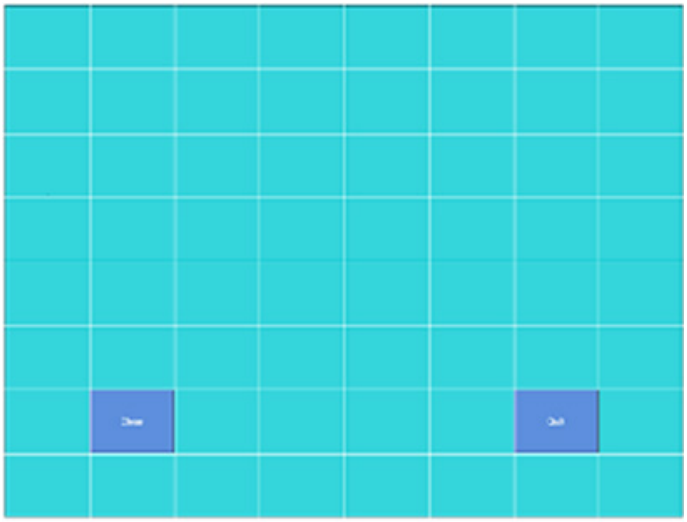
   Press this button to erase the 25 points calibration data and recalibrate the screen using the 4 points calibration. After the 25 points calibration data is cleared, the 4 points calibration data also becomes invalid. Therefore, the 4 points calibration must be done.

3. Linearization

   Linearization (25 or 9 points calibration) function is used to compensate the touch screen linearity. After linearization is complete, the linearity of the touch screen is shown in the Linearity curve window.

   Press this button to display a new window to guide you to do the 25 points calibration.

   On the calibration window, follow the guide and touch and hold the blinking symbol as it moves around the screen. The calibration process is complete when “OK” is shown.



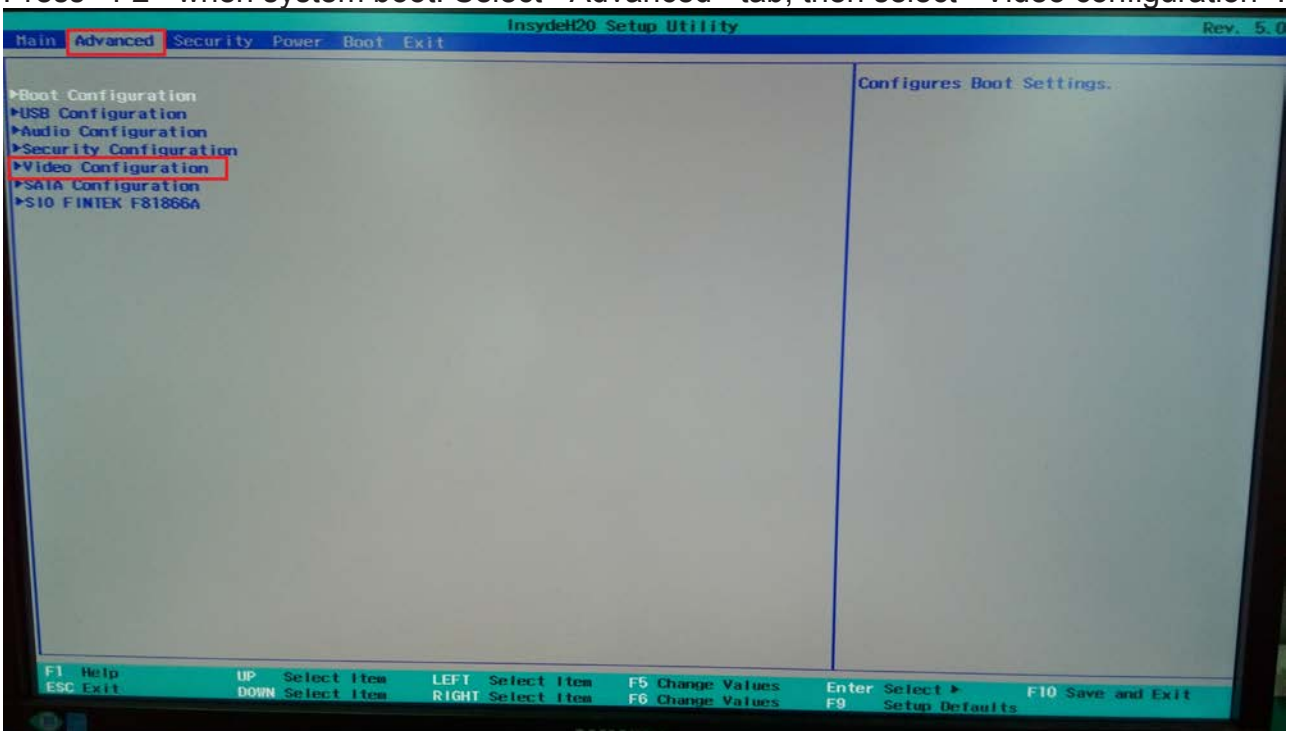
4. Draw Test

This function is used to check the screen for touch accuracy. Press this button to display a new window to guide you to do the draw test.

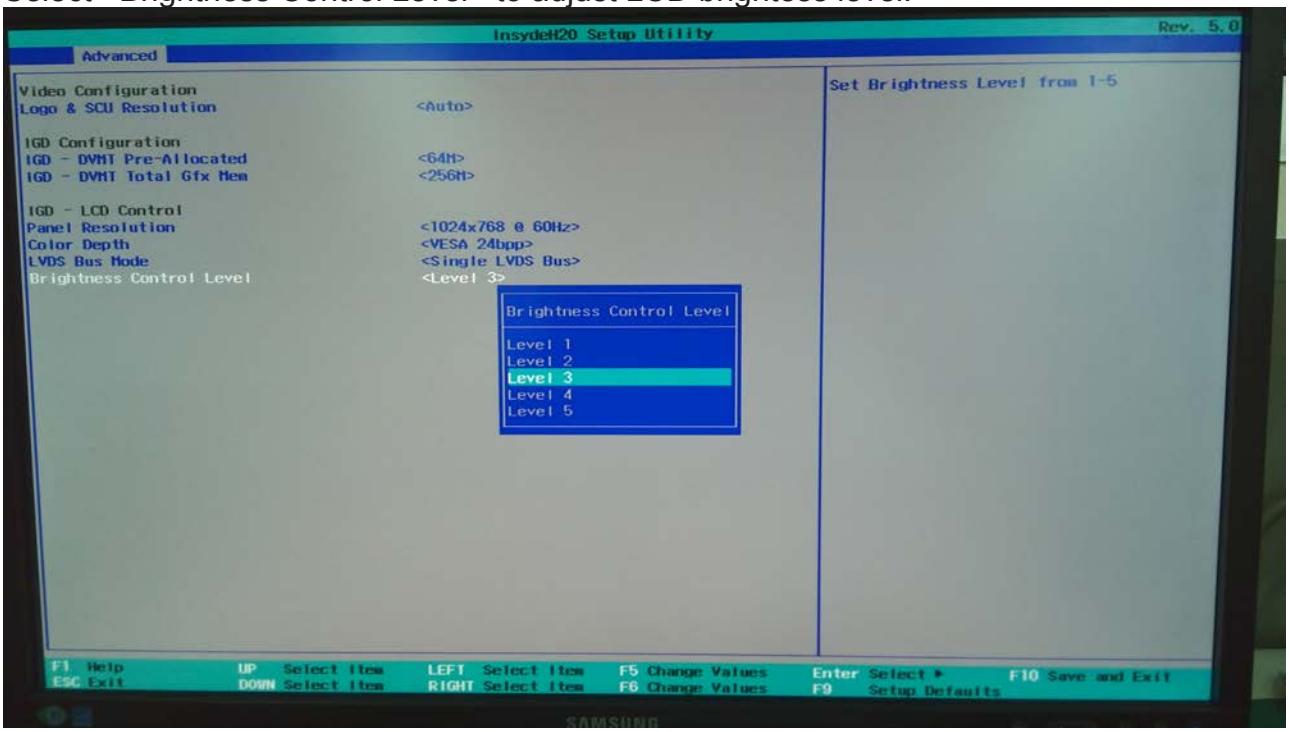
Setting the LCD Brightness

G-615S

1. Press <F2> when system boot. Select <Advanced> tab, then select <Video configuration>.

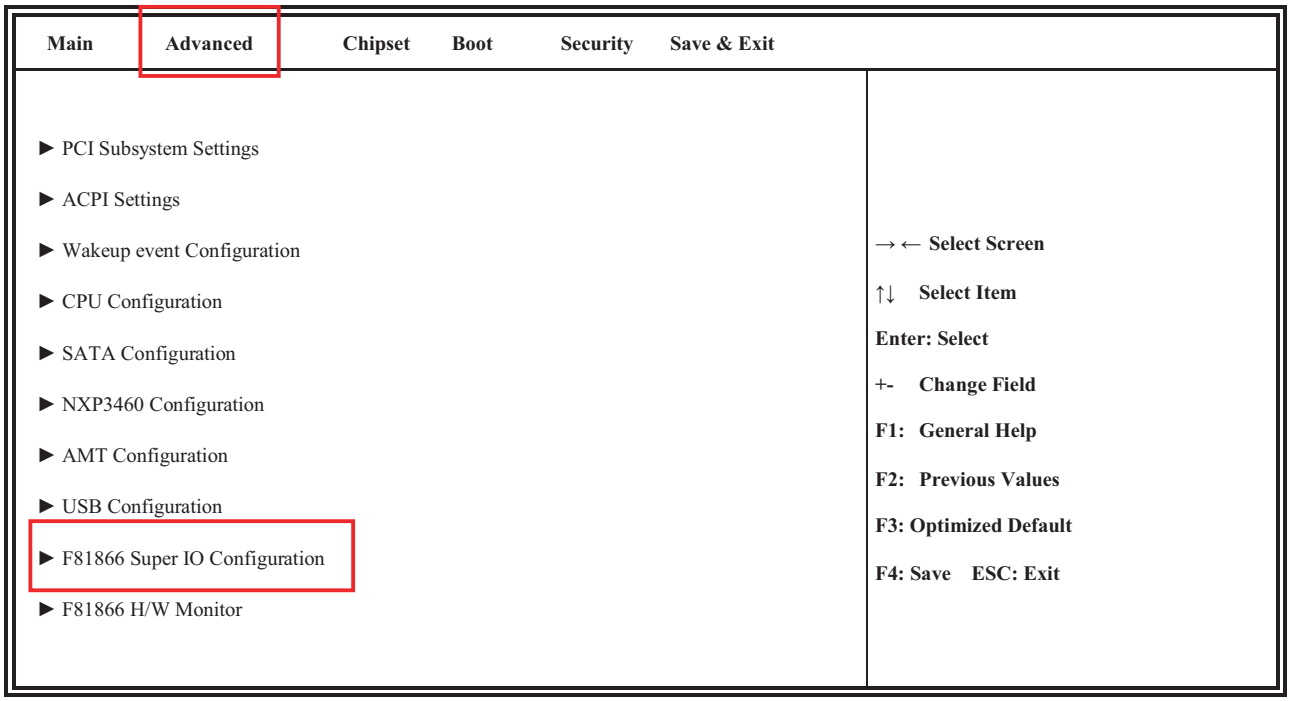


2. Select <Brightness Control Level> to adjust LCD brightess level.

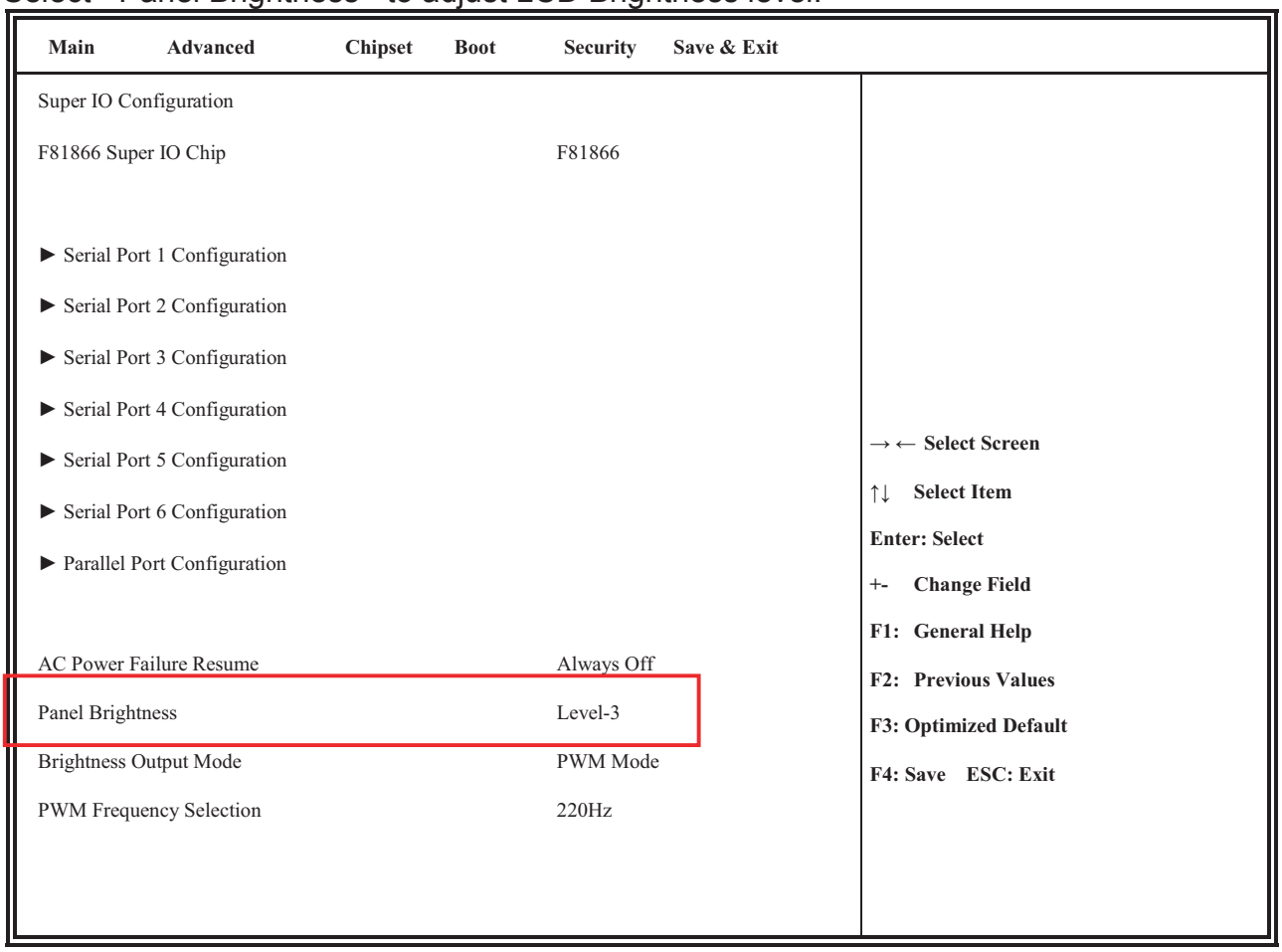


G-715S/G-715SR

1. Press <F2> when system boot. Select <Advanced> tab, then select <F81866 Super IO Configuration>.



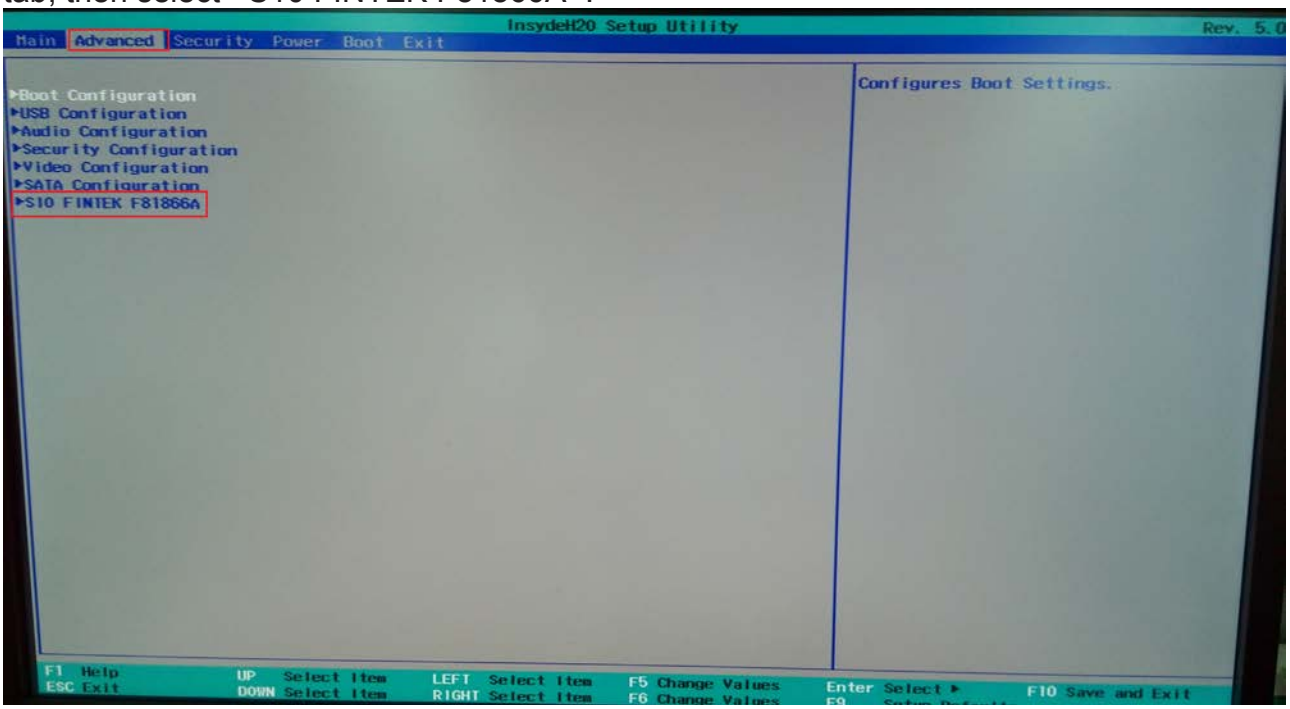
2. Select <Panel Brightness> to adjust LCD Brightness level.



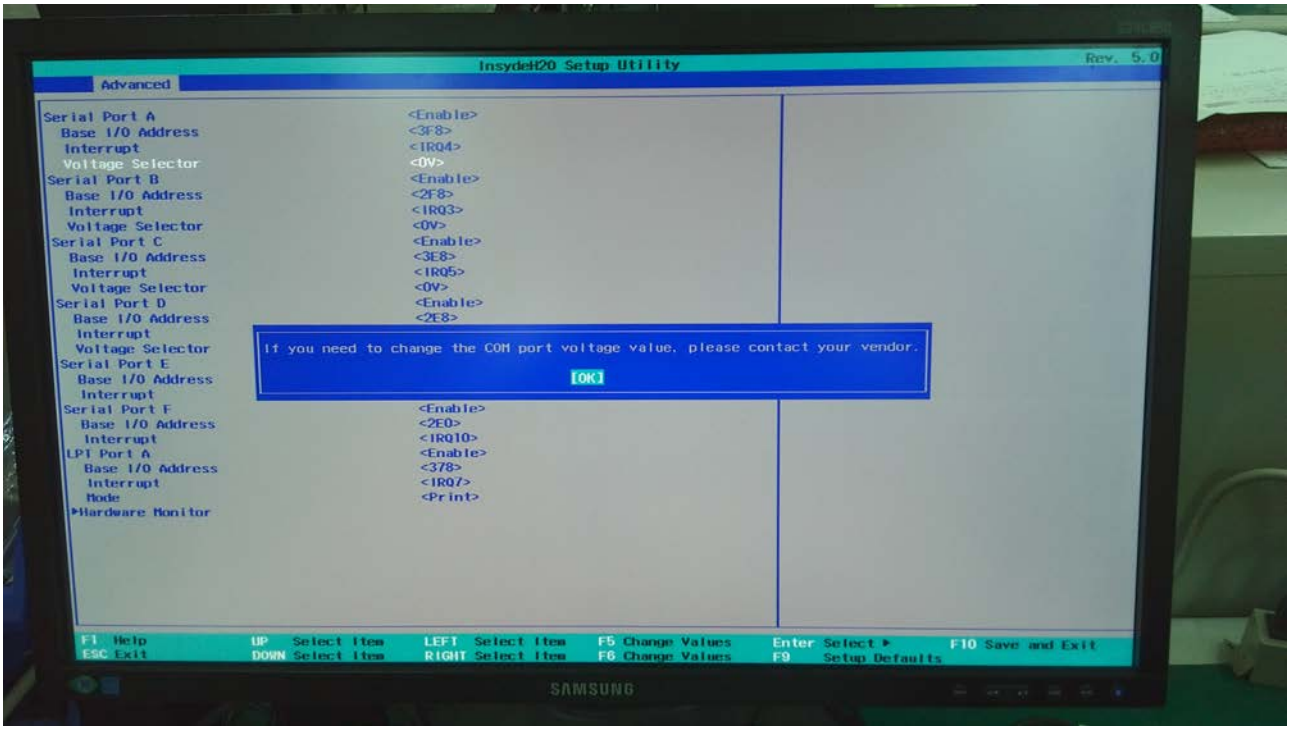
Setting the Serial P ort Voltage (for G-615S only)

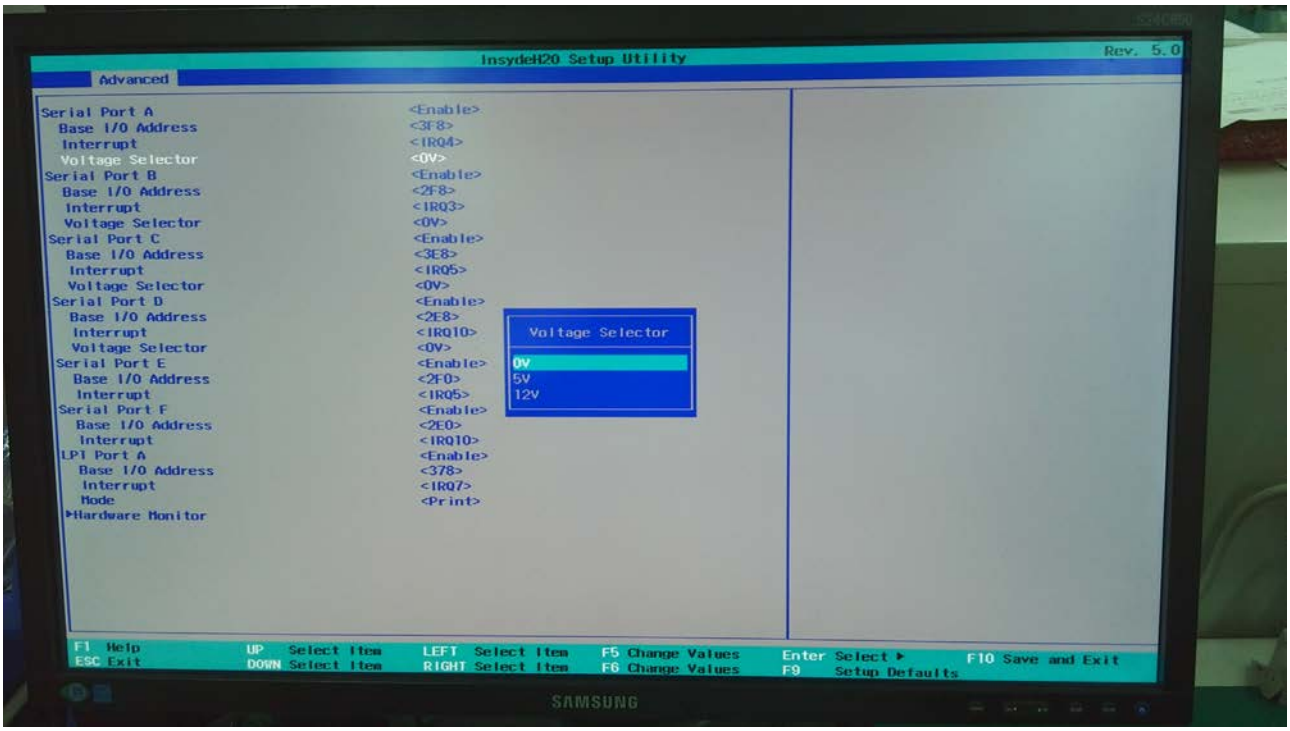
1. Press <F2> when system boot. Select <Advanced>

   tab, then select <S10 FINTEK F81866A>.



2. Select <Voltage Selector>, then click <OK> to change the Serial Port voltage.




InsydeH20 Setup Utility
Rev. 5.0
Advanced
Serial Port A <Enable>
Base I/O Address <3F8>
Interrupt <IRQ4>
Voltage Selector <0V>
Serial Port B <Enable>
Base I/O Address <2F8>
Interrupt <IRQ3>
Voltage Selector <0V>
Serial Port C <Enable>
Base I/O Address <3E8>
Interrupt <IRQ5>
Voltage Selector <0V>
Serial Port D <Enable>
Base I/O Address <2E8>
Interrupt <IRQ10>
Voltage Selector <0V>
Serial Port E <Enable>
Base I/O Address <2F0>
Interrupt <IRQ5>
Serial Port F <Enable>
Base I/O Address <2E0>
Interrupt <IRQ10>
LPT Port A <Enable>
Base I/O Address <378>
Interrupt <IRQ7>
Mode <Print>
Hardware Monitor
Voltage Selector
0V
5V
12V
F1 Help
ESC Exit
UP Select Item
DOWN Select Item
LEFT Select Item
RIGHT Select Item
F5 Change Values
F6 Change Values
Enter Select
F9 Setup Defaults
F10 Save and Exit
SAMSUNG

Chapter 3

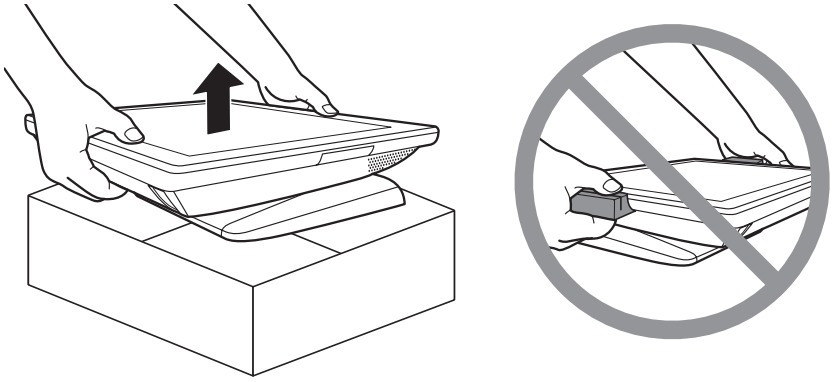
Hardware Installation

Adjusting the System Stand

CAUTION:

Never open the unit unless it is in the lowest horizontal position. Otherwise, system components may be damaged.

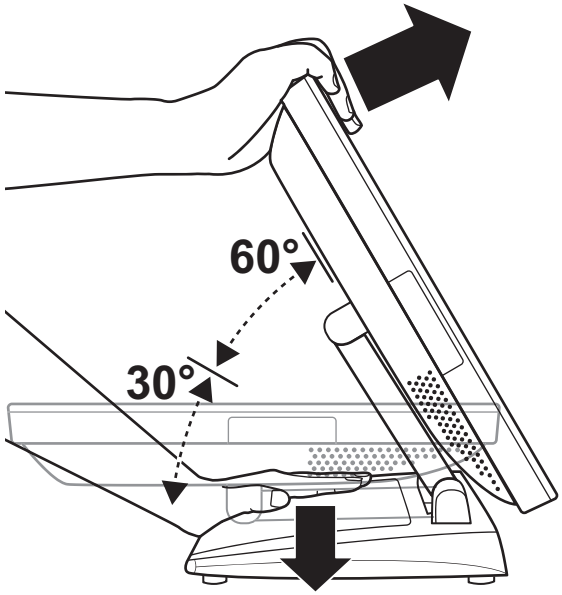
1. Place the Touch Terminal on a stable surface and carefully lift the LCD panel.



NOTE:

When handling the LCD panel, do not grab the identification reader devices (on the both sides) to avoid damage to devices.

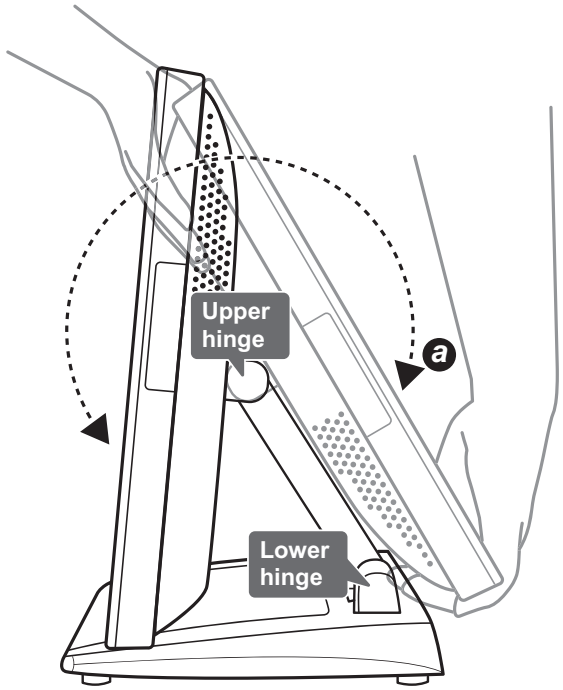
2. Support the stand firmly with one hand while pushing the back of the LCD panel backwards with the other hand.



NOTE:

- *Carefully tilt the unit backwards, some force is required.*
- *Lift the head to the 1st detent where the screen will lock in the 30-degree position. Then the 2nd detent will lock in 60-degree position.*

3. Flip the LCD panel around to face outward.

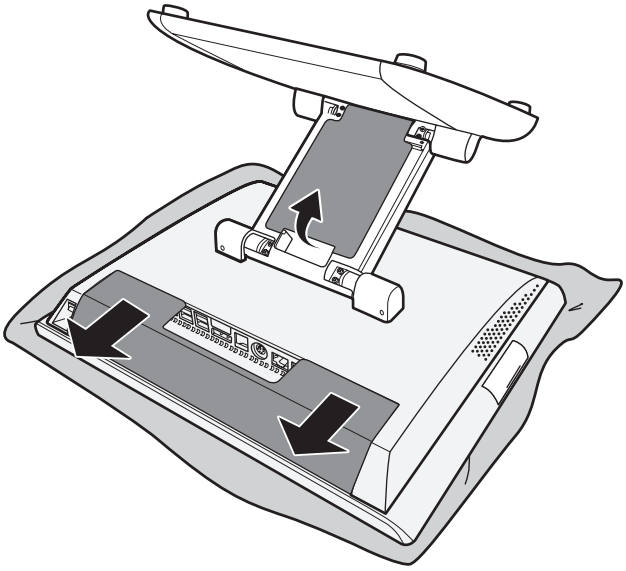


NOTE:

- *Because the stand joints are tight, you might need to exert someforce to maneuver the Terminal.*
- *Make sure always rotate around the head to the position "a" before adjusting the upper hinge.*

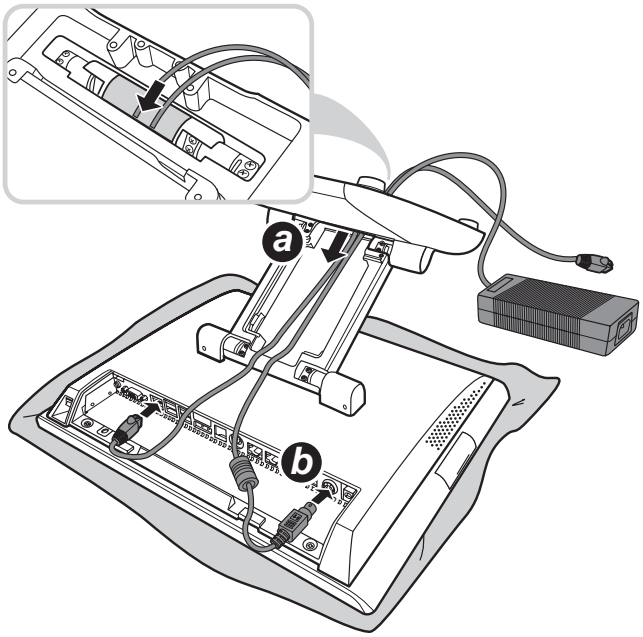
Installing the Power Cord, Power Adapter, and Network Cable

1. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down. Remove the cable compartment and the connectors covers.



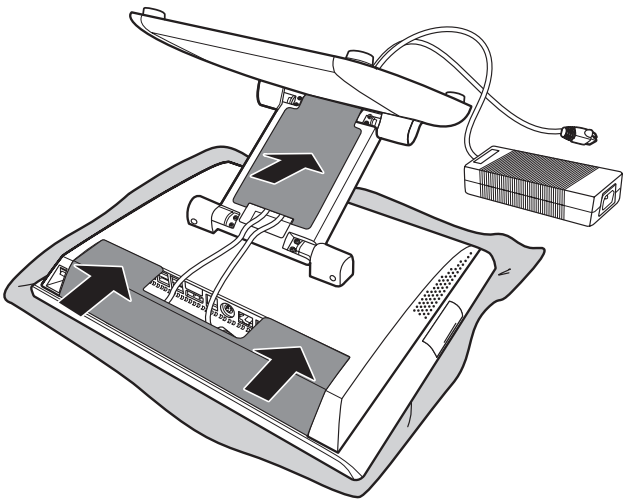
2. Route the power adapter and the network cable through the cable compartment. **(a)**

   Then connect the network cable to the LAN port, and connect the power adapter to the 24V DC IN jack. **(b)**



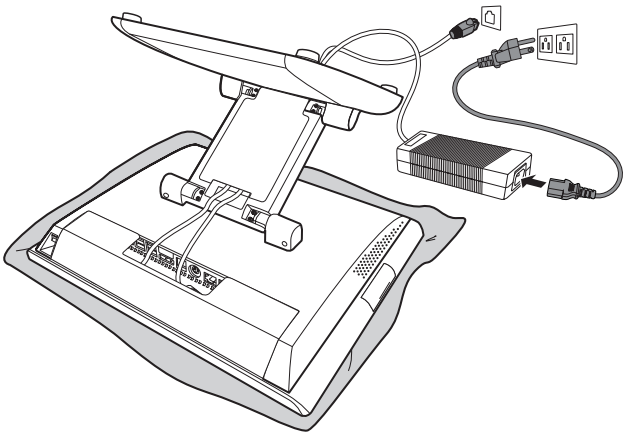
- When removing the power adapter, be sure to hold the end of power adapter firmly and pull it out.

3. Align and install the cable compartment and the connectors covers.



4. Connect the power adapter to the power cord. Then plug the other end of the power cord to an electrical outlet.

5. Connect the network cable to connect to a hub or switch.



WARNING:

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

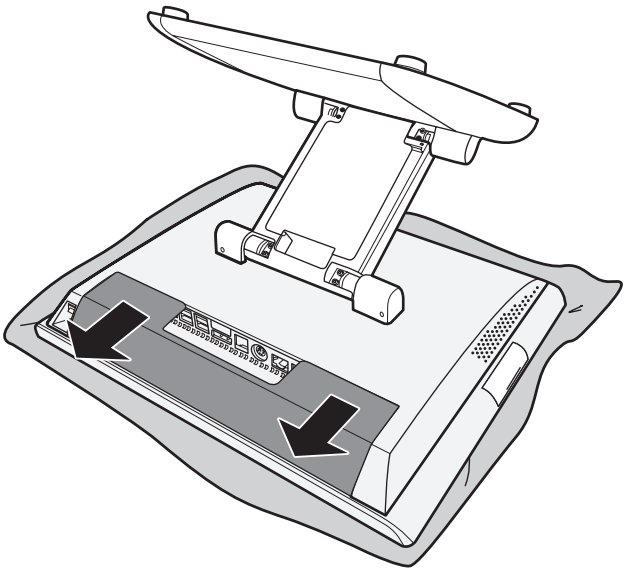
Installing the Customer Display (Optional)

WARNING:

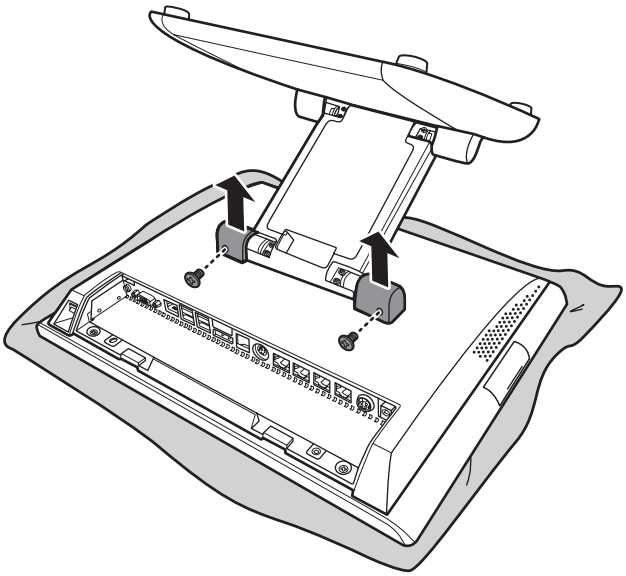
Be sure to turn off the power of the Touch Terminal before making any connection or disconnection.

Before intallation, make sure to set up the Serial Port voltage to DC 5V, either by jumper (G-715S/G-715SR) or by BIOS (G-615S).

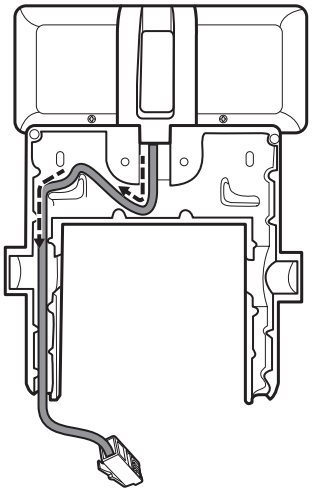
1. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down. Remove the connectors cover.



2. Remove the two screws (F⊕M4x10) on the hinge cover. Then remove the hinge cover.

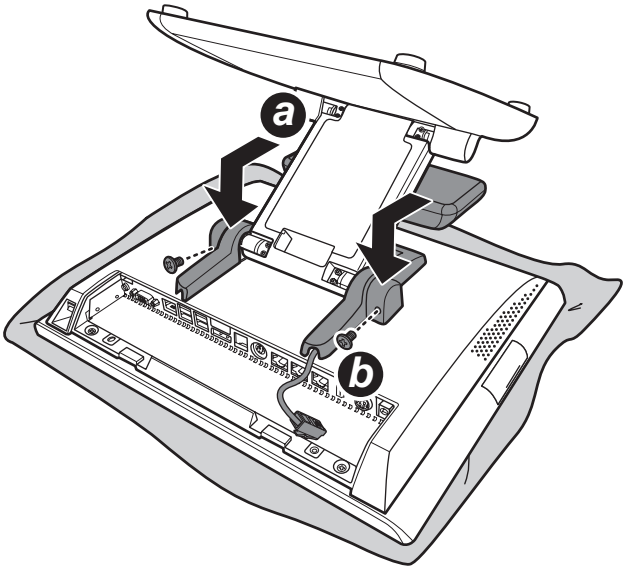


3. Route the customer display’s interface cable on the left side of the cable compartment of the customer display's bracket, as shown in the illustration below.

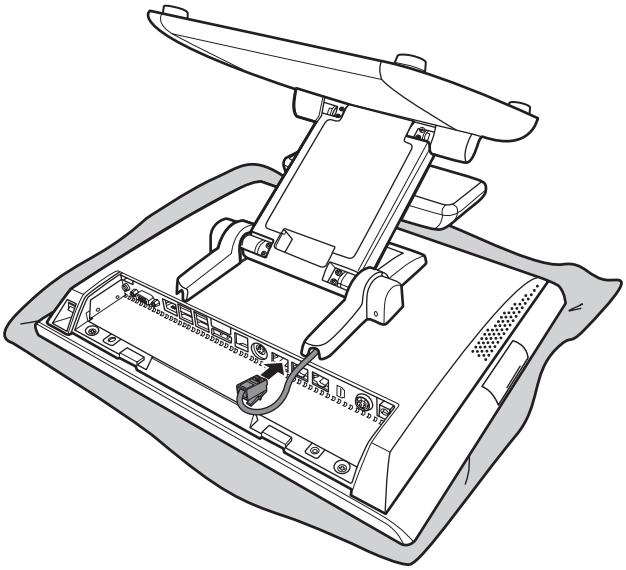


4. Install the customer display bracket into its slot on the back of the LCD panel. Make sure the bracket is properly aligned with the hinge. **(a)**

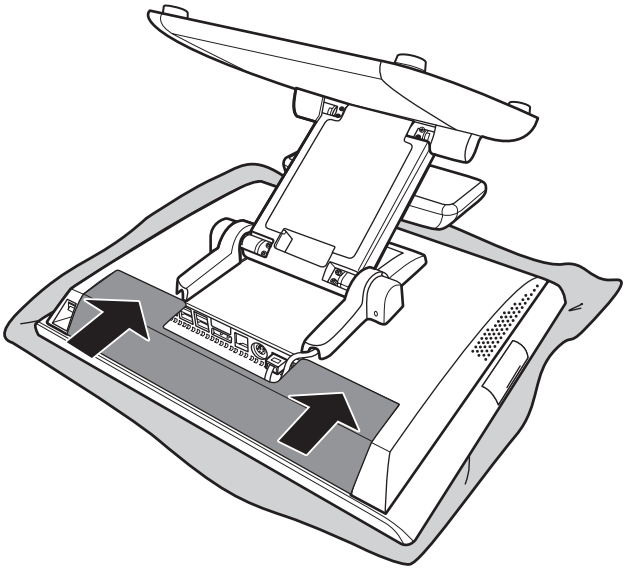
   Then secure the bracket to the hinge with the two screws (F⊕M4x10). **(b)**



5. Connect the customer display's interface cable to the RJ-45 COM port on Touch Terminal.



6. Align and install the connectors cover.

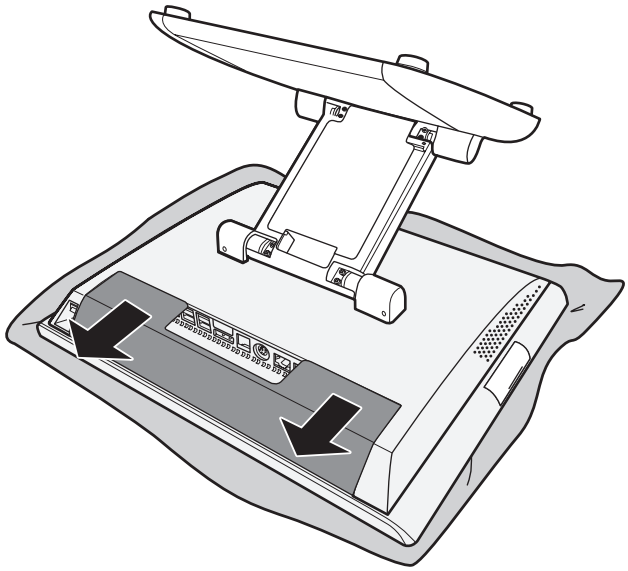


Installing the Secondary LCD Display (Optional)

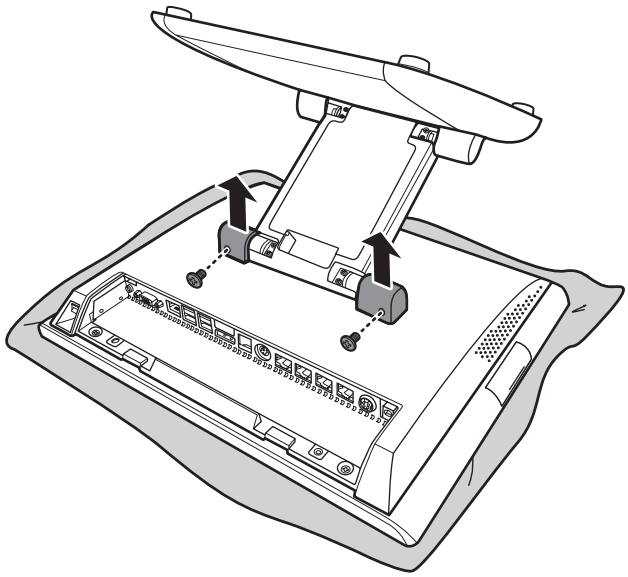
WARNING:

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

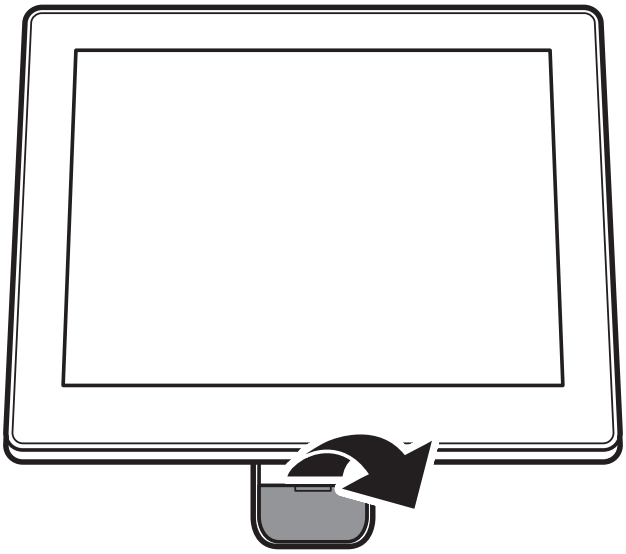
1. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down. Remove the connectors cover.



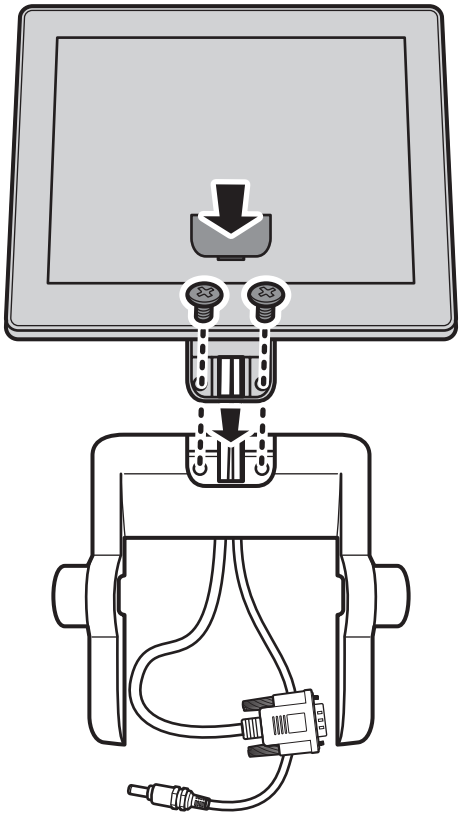
2. Remove the two screws (F⊕M4x10) on the hinge cover. Then remove the hinge cover.



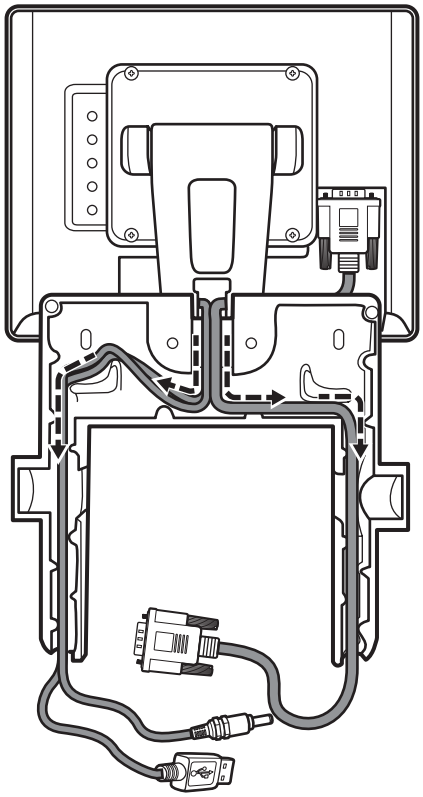
3. Remove the secondary LCD display compartment.



4. Install the secondary LCD display into its slot on the bracket. Then secure the customer display to the bracket with the two screws (F⊕M4x6.5) and replace the secondary LCD display compartment.

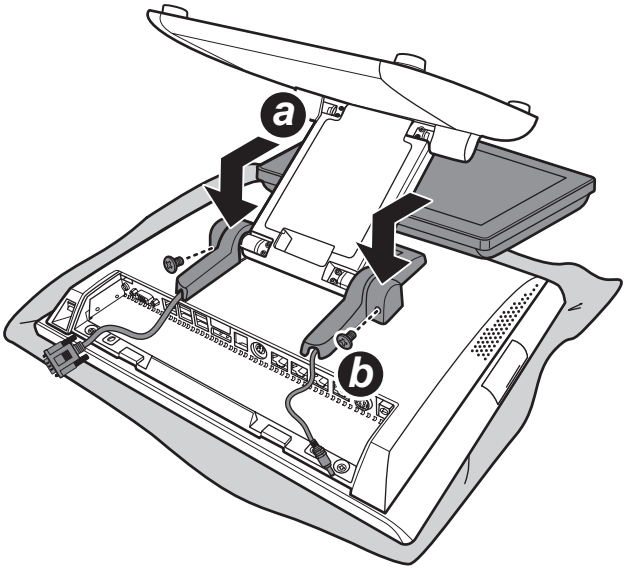


5. Route the secondary LCD display's power cable, VGA cable, and Touch USB cable (optional) on the cable compartment of the bracket, as shown in the illustration below.

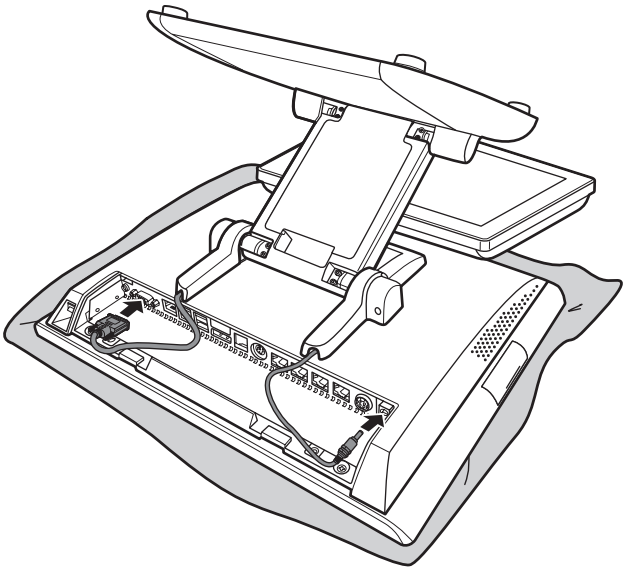


6. Install the secondary LCD display bracket into its slot on the back of the LCD panel. Make sure the bracket is properly aligned with the hinge. **(a)**

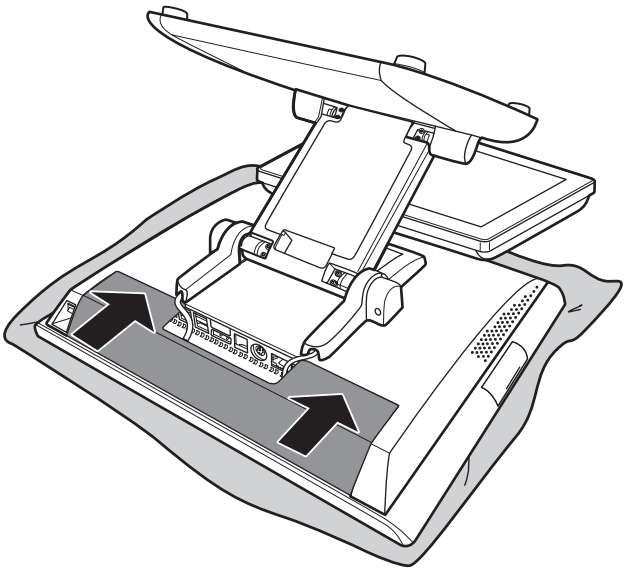
   Then secure the bracket to the hinge with the two screws (F⊕M4x10). **(b)**



7. Connect the secondary LCD display's power cable and VGA cable to the corresponding ports on Touch Terminal.



8. Align and install the connectors cover.

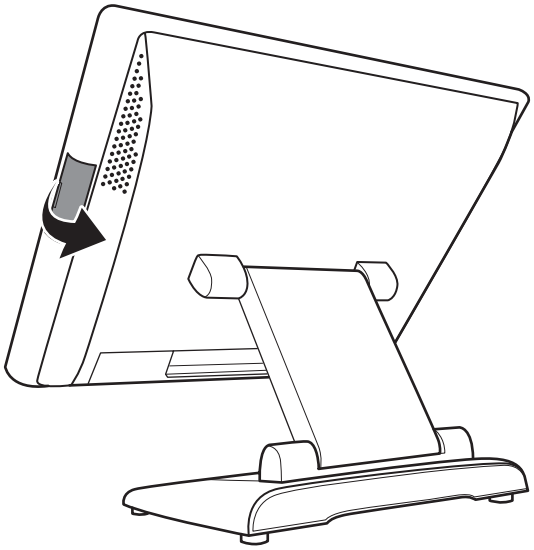


Installing the IG-20L MSR (Optional)

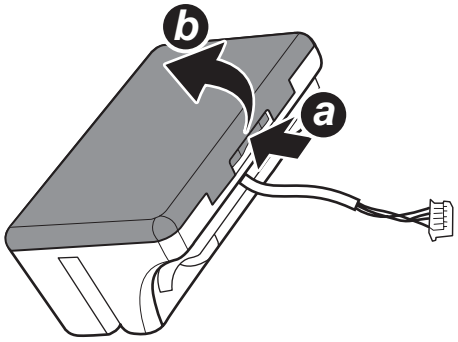
WARNING:

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

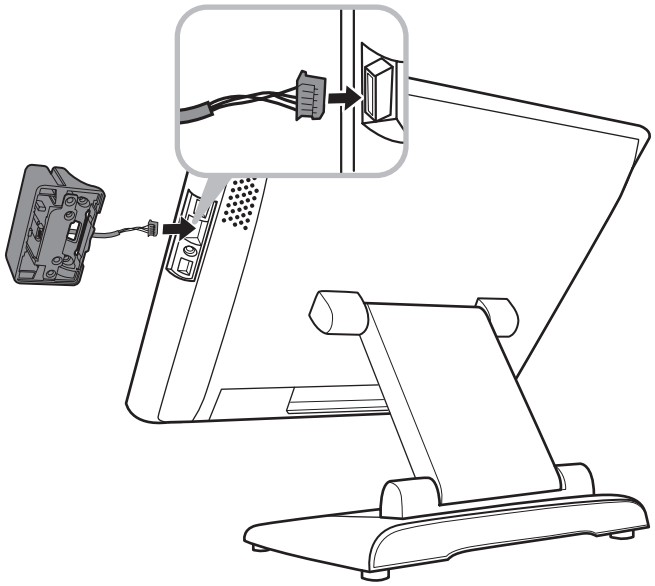
1. Remove the MSR module compartment.



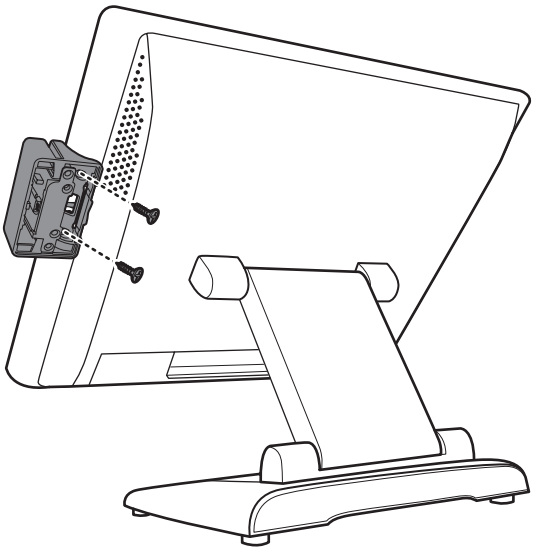
2. Press the latch down to disengage the MSR module cover from its main unit. **(a)** Then remove the MSR module cover. **(b)**



3. Firmly connect the MSR connector into the slot inside the compartment.



4. Secure the MSR module to the Touch Terminal, using the two screws (M3x8).



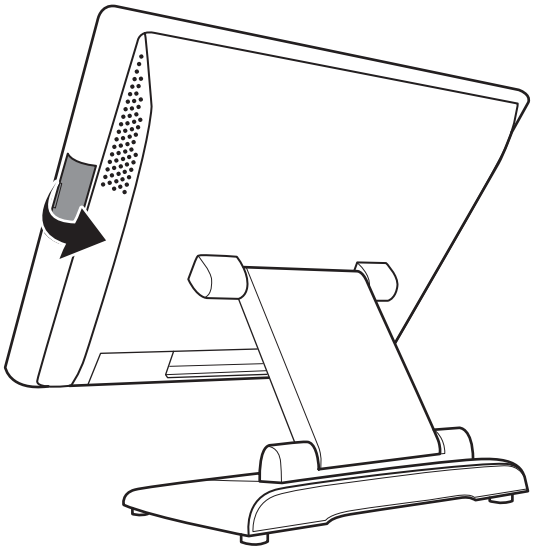
5. Install the MSR module cover.

Installing the IG-20L 2-in-1 Identification Reader (Optional)

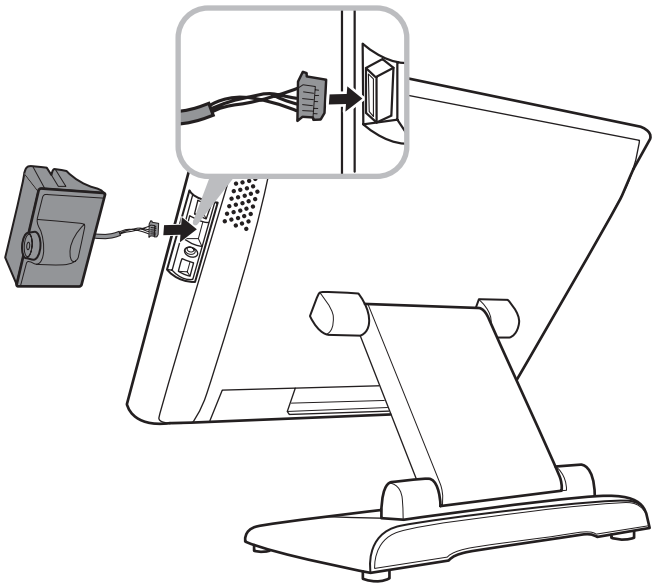
WARNING:

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

1. Remove the reader compartment.



2. Firmly connect the reader connector into the slot inside the compartment.

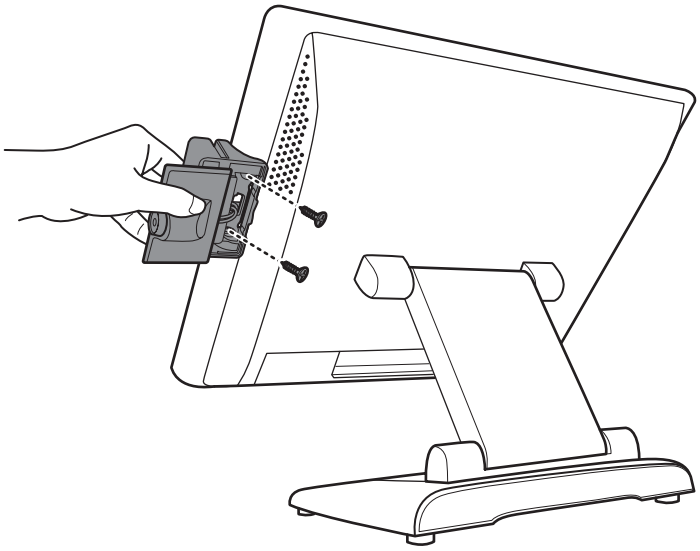


3. Press the latch down to disengage the reader cover from its main unit. **(a)**
   Then carefully pull the cover by the left side to release it from its main unit. **(b)**

WARNING:

The IG-20L cable is connected. Make caution when removing the cover.

4. Secure the reader to the Touch Terminal, using the two screws (M3x8).



NOTE:

To avoid accidental pulling off the cable, be sure to hold the cover firmly when securing the screws.

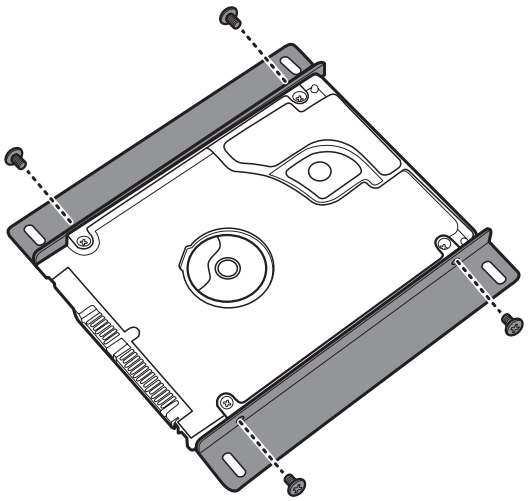
5. Install the reader cover.

Installing the Secondary Hard Disk Drive (Optional)

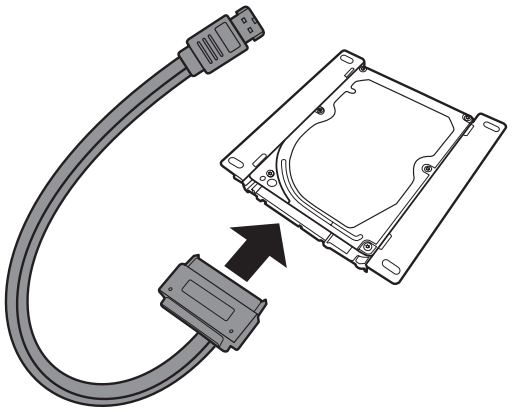
WARNING:

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

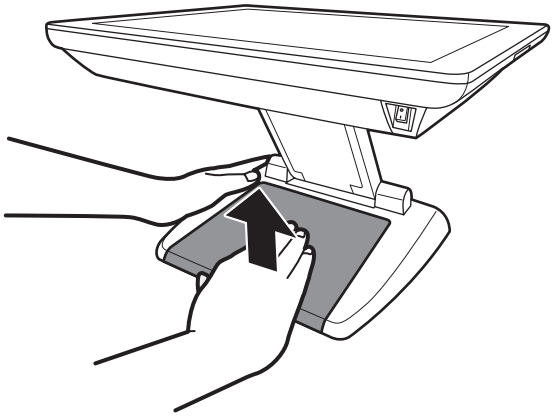
1. Install the secondary hard disk drive onto the HDD bracket. Then secure it with the four screws (F⊕M3x4).



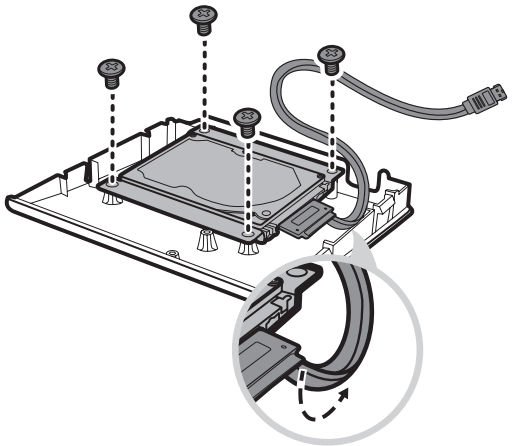
2. Connect one end of the eSATAp to SATA 22pin cable into its connector on the secondary hard disk drive.



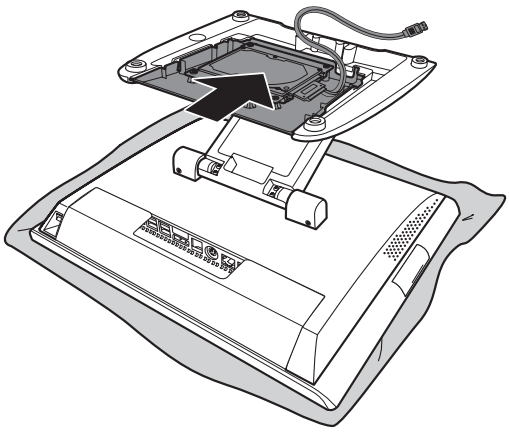
3. Support the stand firmly with one hand while detaching the stand cover from the stand with the other hand.



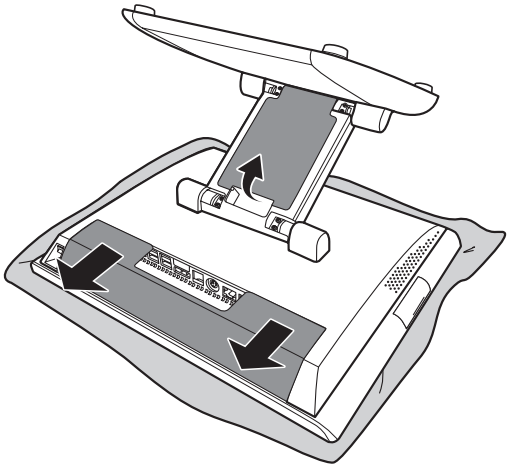
4. Install the HDD bracket into its slot on the stand cover, as shown in the illustration below. Then secure the HDD bracket to the stand cover with the four screws (M3x6).



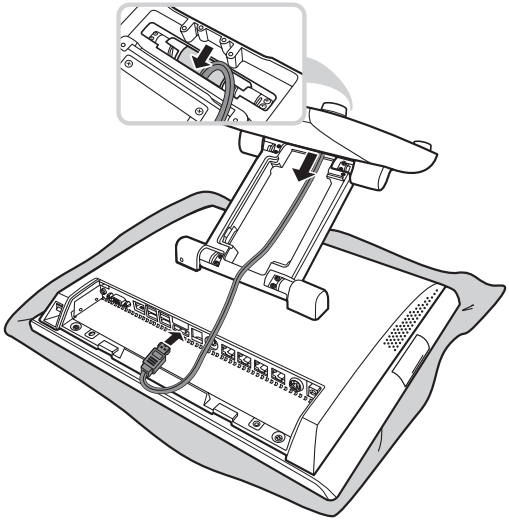
5. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down. Install the stand cover onto the stand.



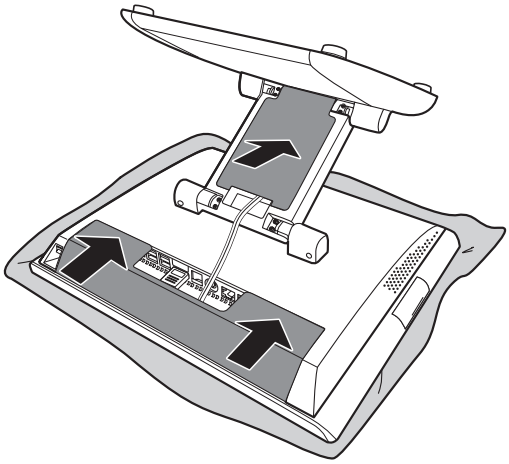
6. Remove the cable compartment and the connectors covers.



7. Route the eSATAp to SATA 22pin cable through the cable compartment. Then connect the other end of the eSATAp to SATA 22pin cable to the E-SATAp port.



8. Align and install the cable compartment and the connectors covers.

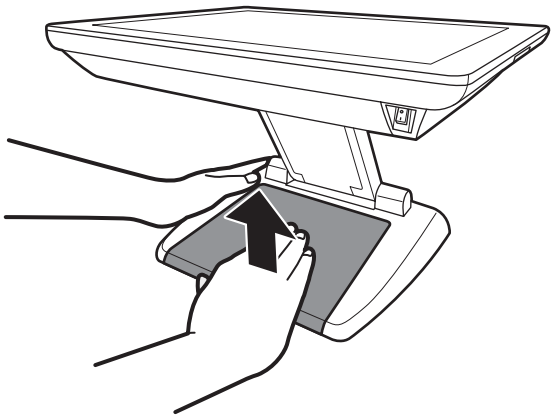


Installing the Wireless Module (Optional)

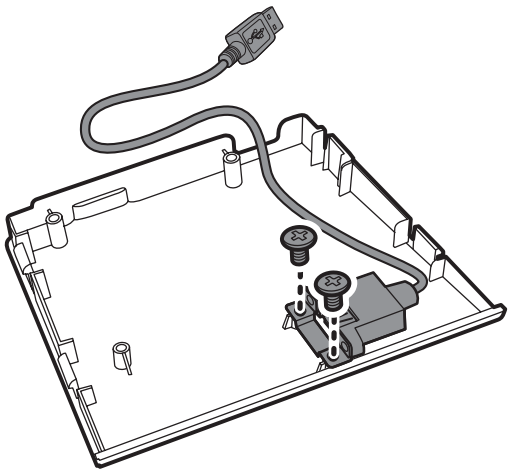
WARNING:

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

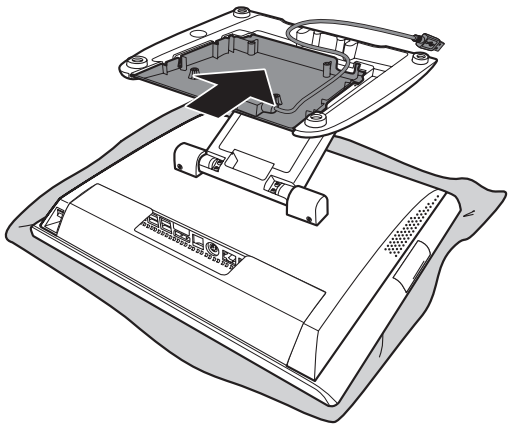
1. Support the stand firmly with one hand while detaching the stand cover from the stand with the other hand.



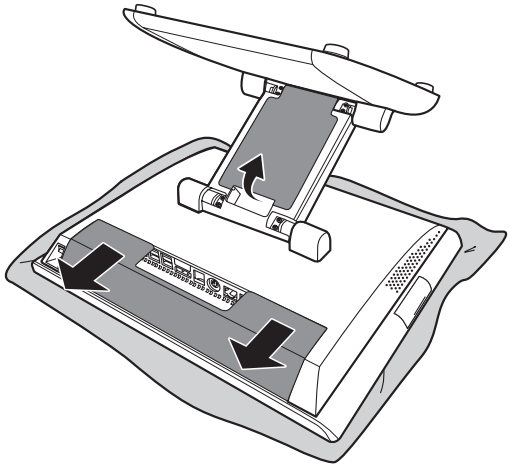
2. Install the wireless module into its slot on the stand cover, as shown in the illustration below. Then secure the cable bracket to the stand cover with the two screws (F⊕M3x4).



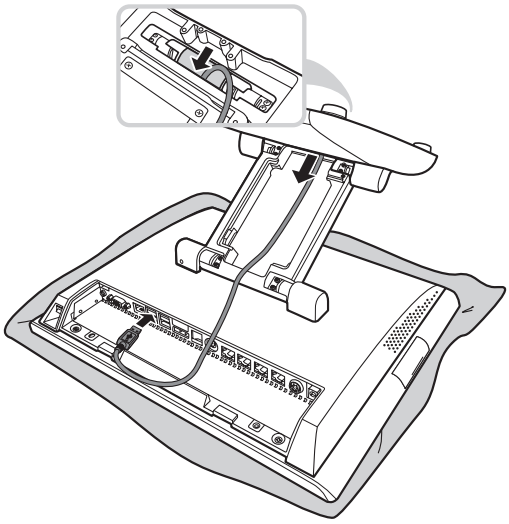
3. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down. Install the stand cover onto the stand.



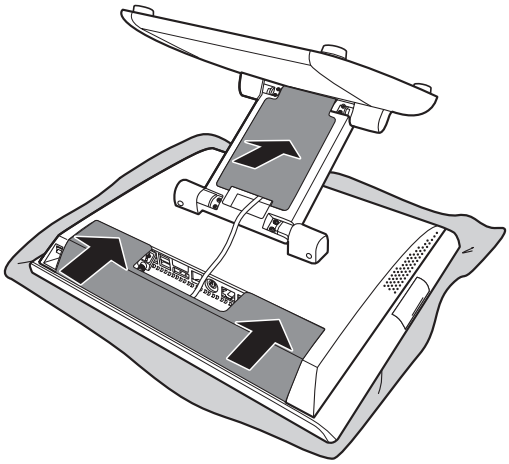
4. Remove the cable compartment and the connectors covers.



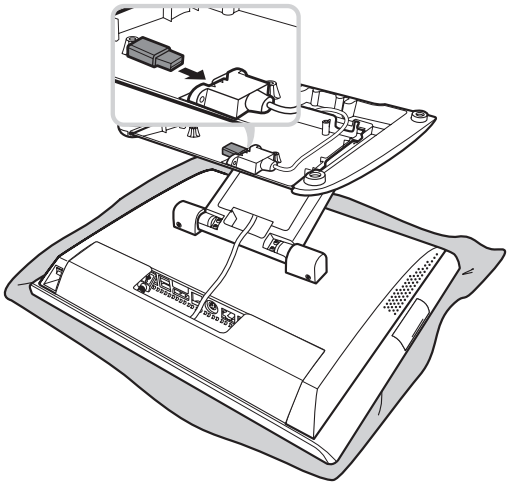
5. Route the wireless module cable through the cable compartment. Then connect the wireless module cable to the USB port.



6. Align and install the cable compartment and the connectors covers.



7. Plug the Wi-Fi dongle onto the USB port of the wireless module.

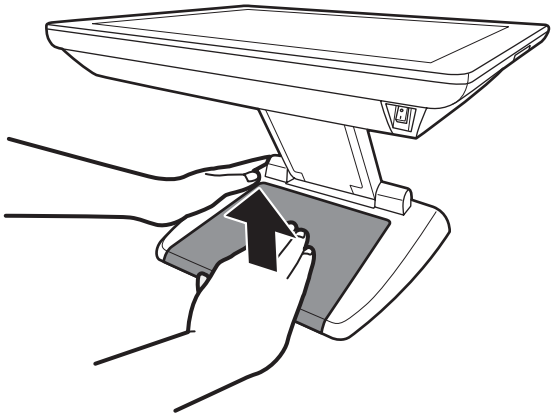


Installing the UPS Kit (Optional)

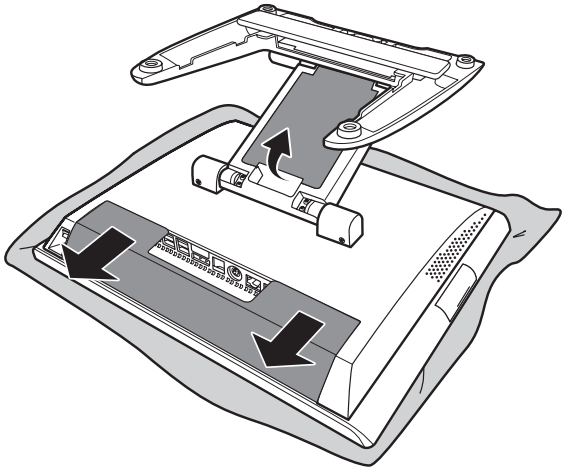
WARNING:

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

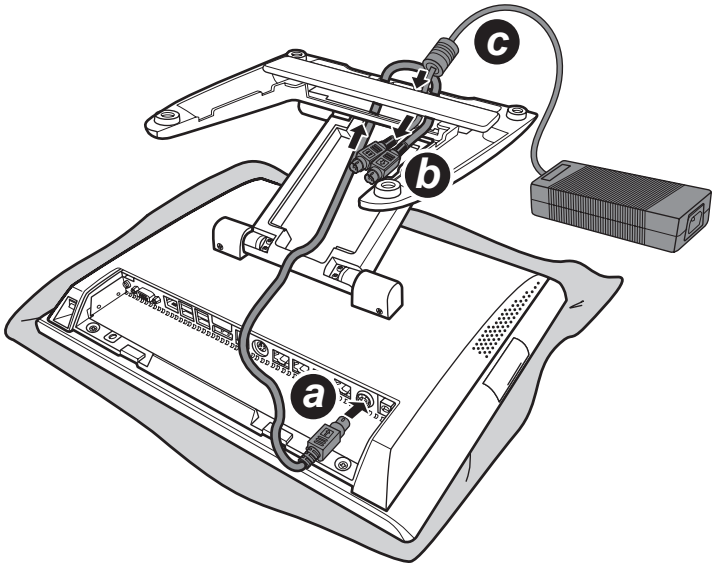
1. Support the stand firmly with one hand while detaching the stand cover from the stand with the other hand.



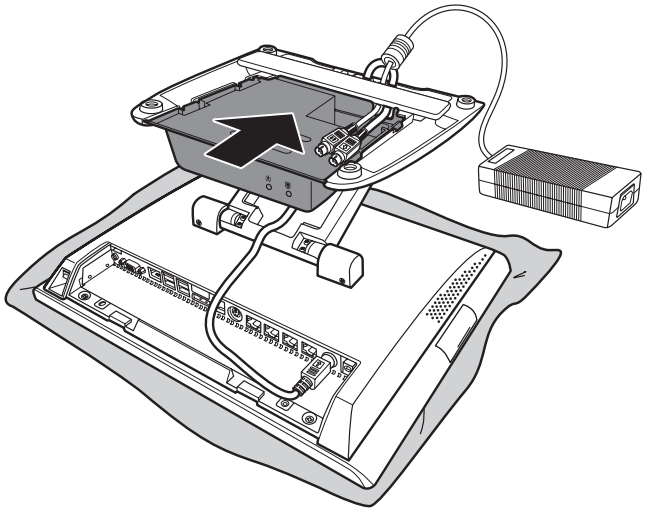
2. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down. Remove the cable compartment and the connectors covers.



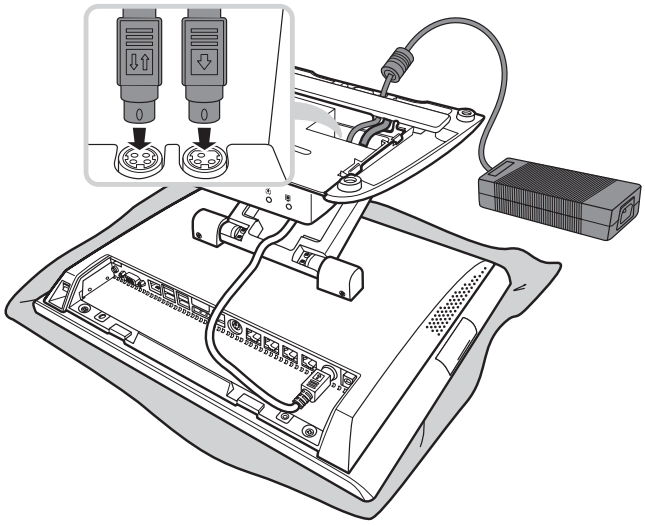
3. Connect the one end of the power cable to the 4-pin DC IN jack of the Touch Terminal. **(a)** Then route the other end of the of the power cable **(b)** and one end of the power adapter **(b)** through the cable compartment as shown in the illustration.



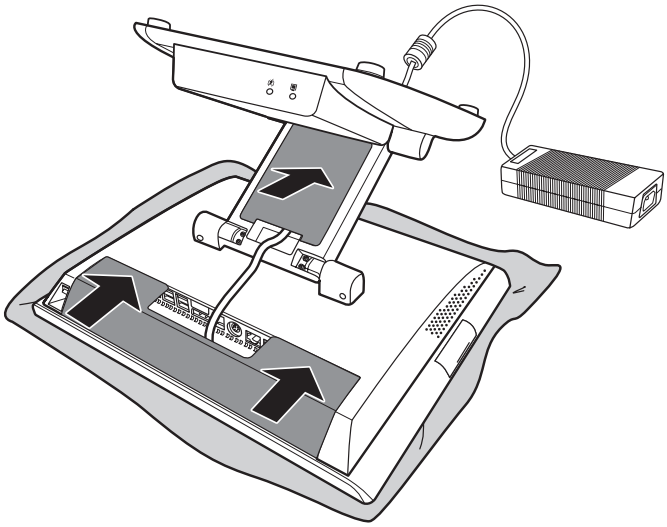
4. Install the UPS kit onto the stand.



5. Connect the other end of the power adapter to the 4-pin DC IN jack of the UPS kit (on the left side). Then connect the other end of the power cable to the 3-pin DC OUT jack of the UPS kit (on the right side).



6. Align and install the cable compartment and the connectors covers.

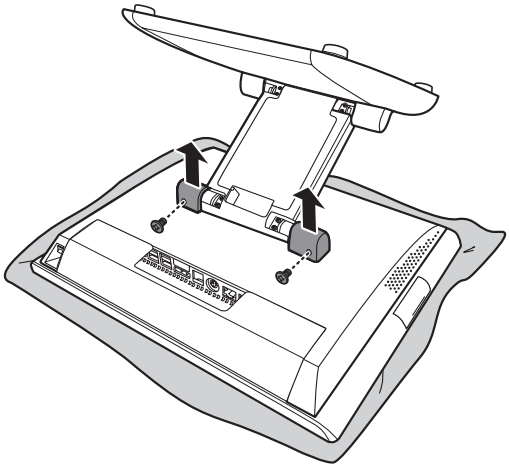


Installing the VESA Mount (Optional)

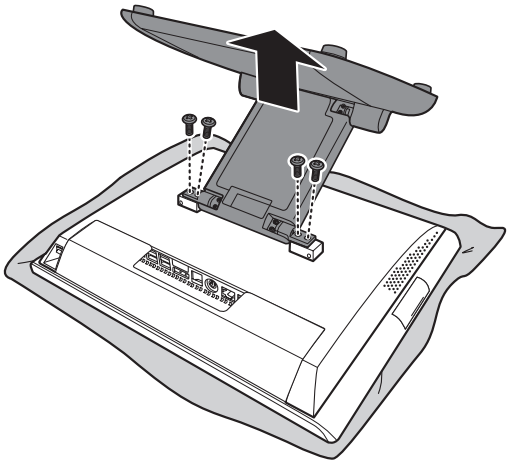
NOTE:

- *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.*

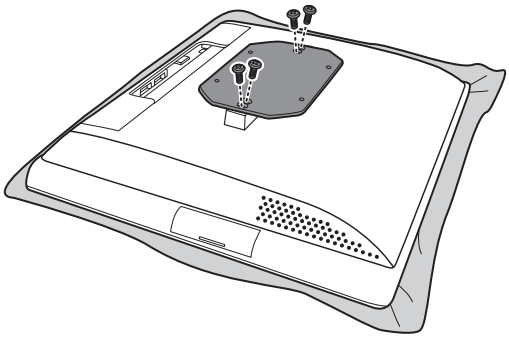
1. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down. Remove the two screws (F⊕M4x10) on the hinge cover. Then remove the hinge cover.



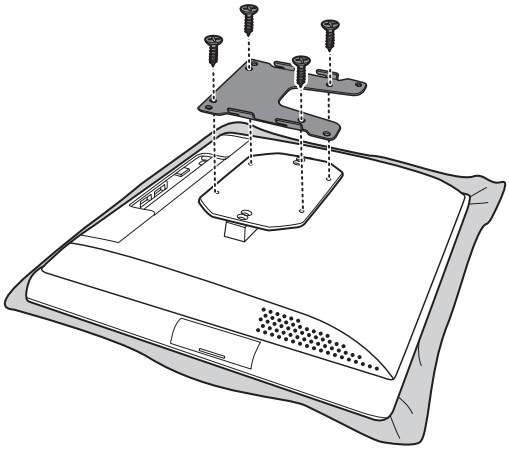
2. Remove the four screws (M4x12) on the hinge. Then remove the stand.



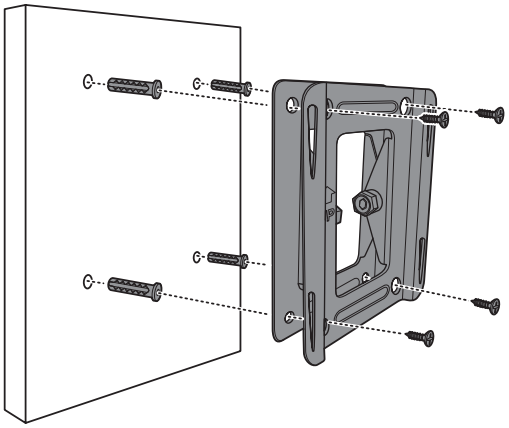
3. Align and install the VESA plate on the back of the Touch Panel using four screws (F⊕M4x10).



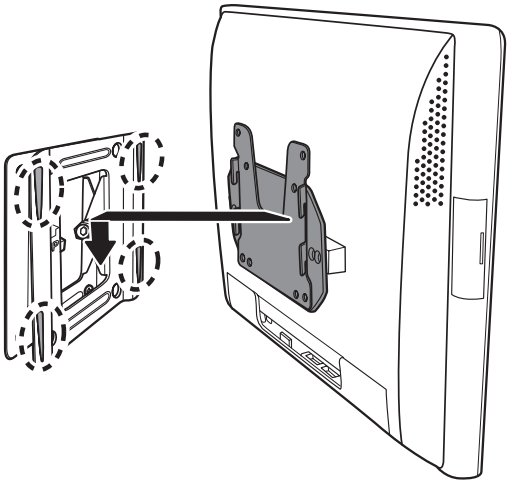
4. Attach the mount bracket onto the VESA plate using four screws (M4x10).



5. Drill four small holes on the mounting location and insert the plastic washers into the holes. Then place the four supplied screws into the four holes at the wall bracket, and secure them into the holes on the wall.



6. Align and hook the Touch Terminal to the wall bracket, and then push down to secure it into place.



Chapter 4

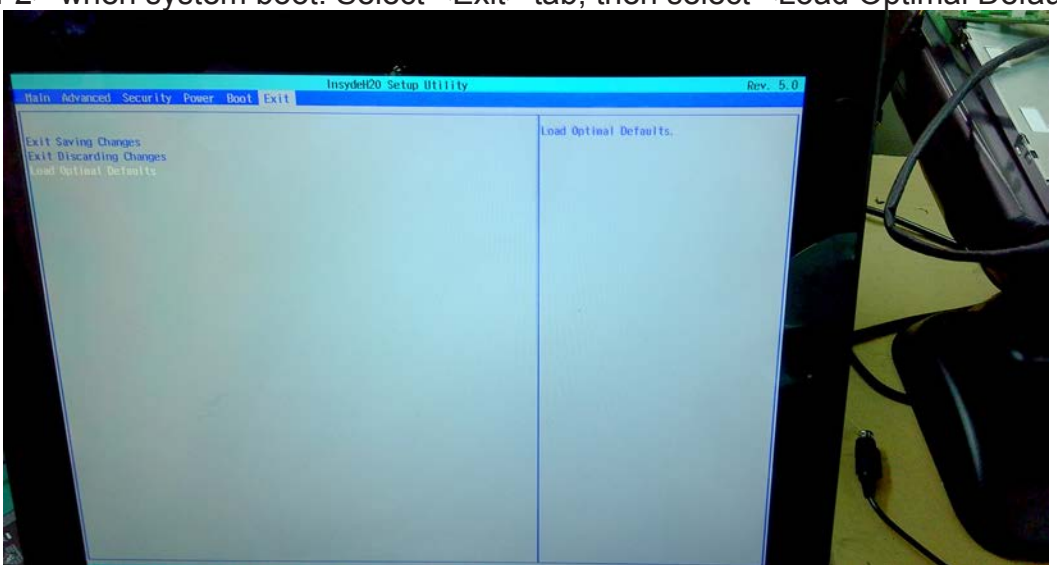
Frequently Asked Questions (FAQ)

Question 1: Why does the system appear unstable after updating BIOS?

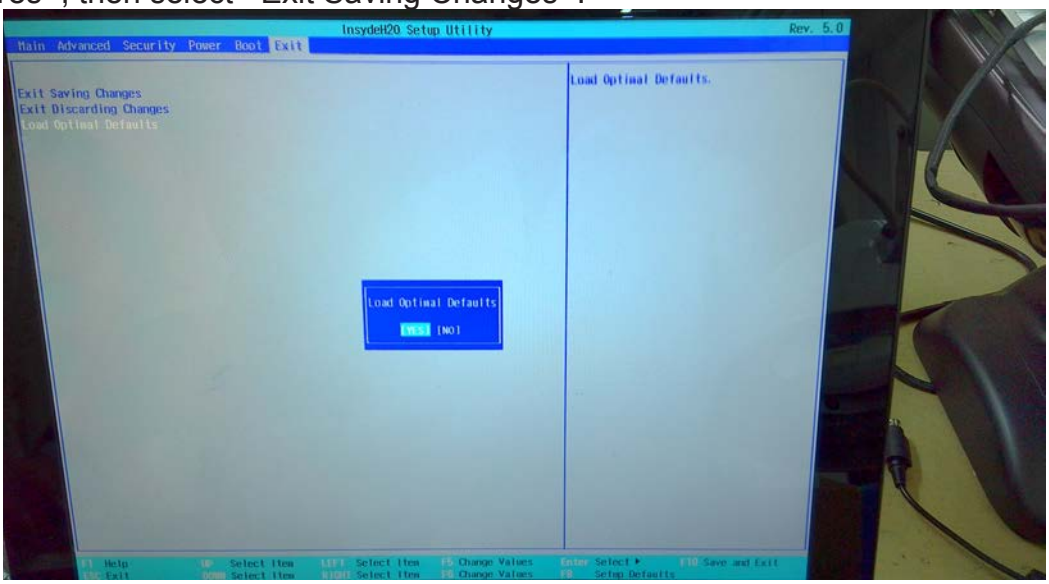
G-615S

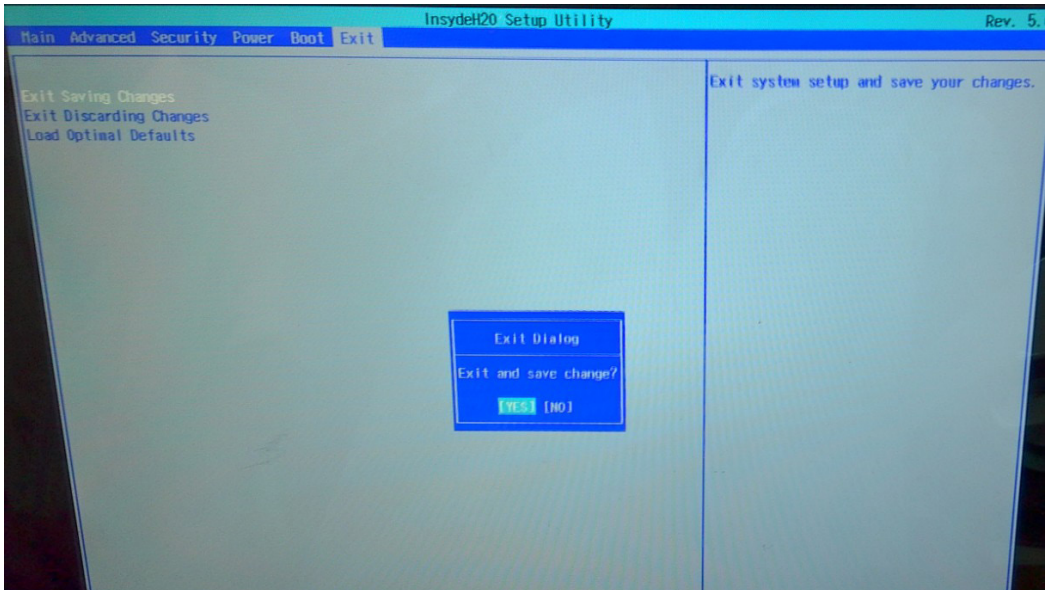
Answer: Load optimized defaults after flashing BIOS. If the system remains unstable, clear CMOS to solve the problem.

1. Press <F2> when system boot. Select <Exit> tab, then select <Load Optimal Defaults>.



2. Select <Yes>, then select <Exit Saving Changes>.





G-715S /G-715SR

Answer: Load optimized defaults (or load SETUP Default) after flashing BIOS. If the system remains unstable, clear CMOS to solve the problem.

Steps: On the <Save & Exit> page, select <Restore Defaults>, then select <Yes>. Select <Save Changes and Reset>, and then <Yes> to save the settings.

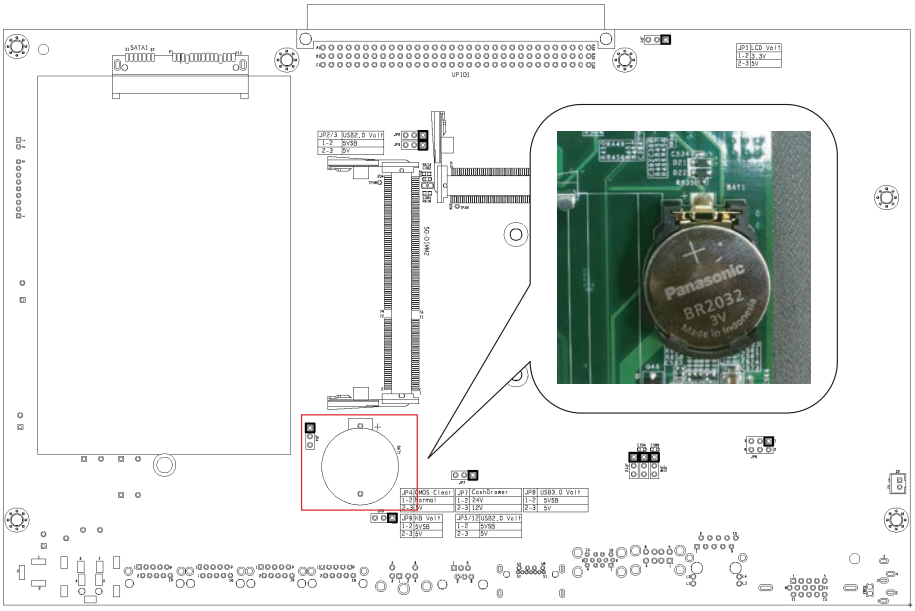
Main Advanced Chipset Boot Security Save & Exit	
Save Changes and Exit	
Discard Changes and Exit	
Save Changes and Reset	
Discard Changes and Reset	→ ← Select Screen
	↑ ↓ Select Item
Save Options	Enter: Select
Save Changes	+- Change Field
Discard Changes	F1: General Help
	F2: Previous Values
	F3: Optimized Default
Restore Defaults	F4: Save
Save as User Defaults	ESC: Exit
Restore User Defaults	

Question 2: How do I clear CMOS?

G-615S

Answer: To clear CMOS, do the following:

1. Turn off power and pull out the power cord.
2. Insert the jumper cap to clear CMOS PIN and remove the jumper cap from clear CMOS PIN.

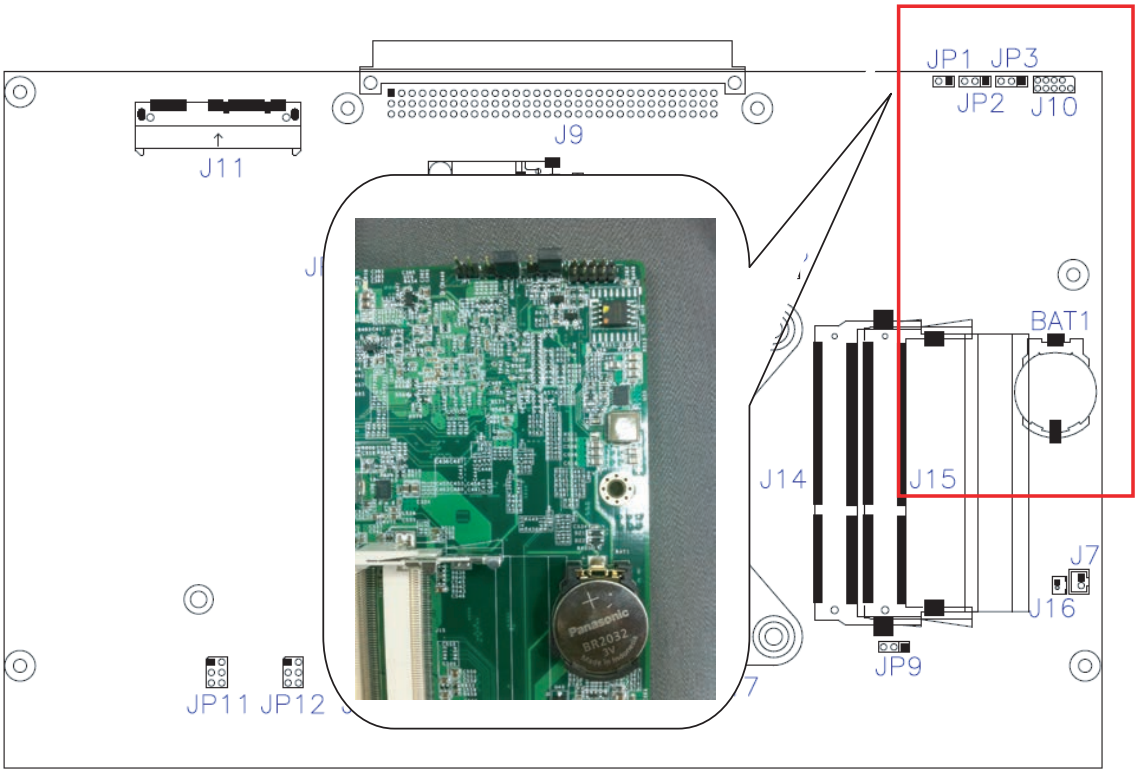


3. Switch on the power again.
4. Press **F2** to enter CMOS setting and load optimized defaults.
5. Save changes and reboot the system.

G-715S /G-715SR

Answer: To clear CMOS, do the following:

1. Turn off power and pull out the power cord.
2. Insert the 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.
5. Save changes and reboot the system.

Question 3: How to use Boot Menu?

Answer: To use the Boot Menu, do the following:

1. Press **F10** to enter the Boot Menu.
2. Select the Boot device from the Boot Menu.