Glamor Series

G-815T

User's Manual V1.0

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.

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.

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

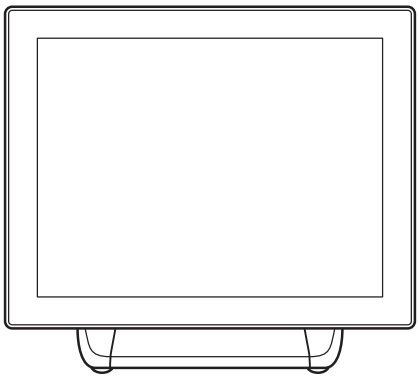
RoHS

Contents

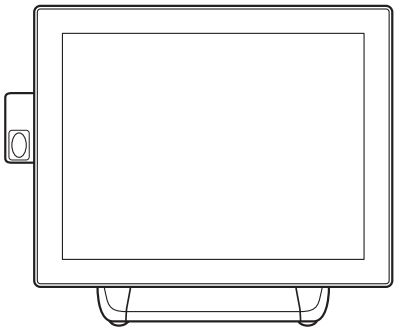
Overview of Glamor Series

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

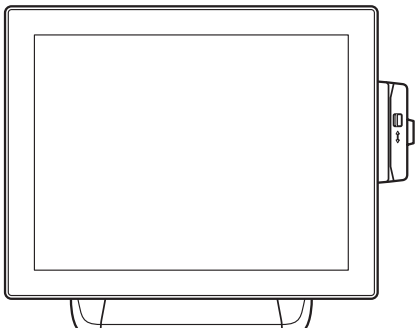
Front View



Standard Type



**with IG-10 identification reader*

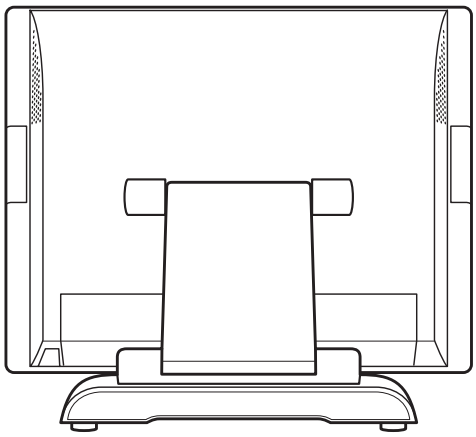


**with IG-20 identification reader*

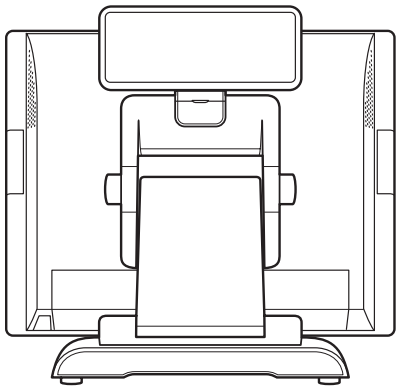
NOTE:

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

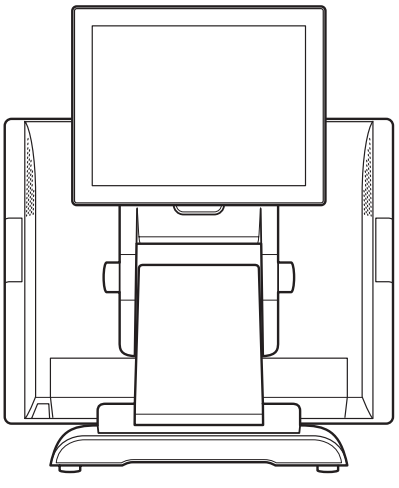
Rear View



Standard Type



Customer Display Type

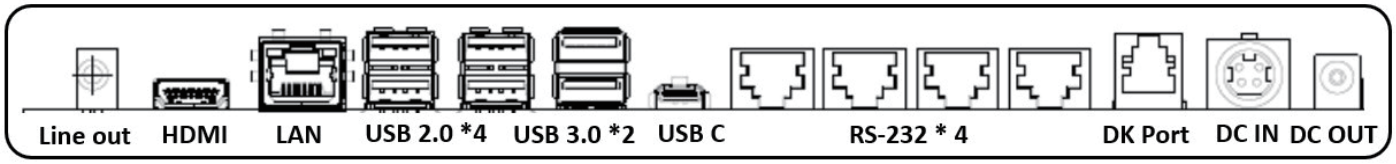


Secondary LCD Display Type

NOTE:

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

I/O Ports

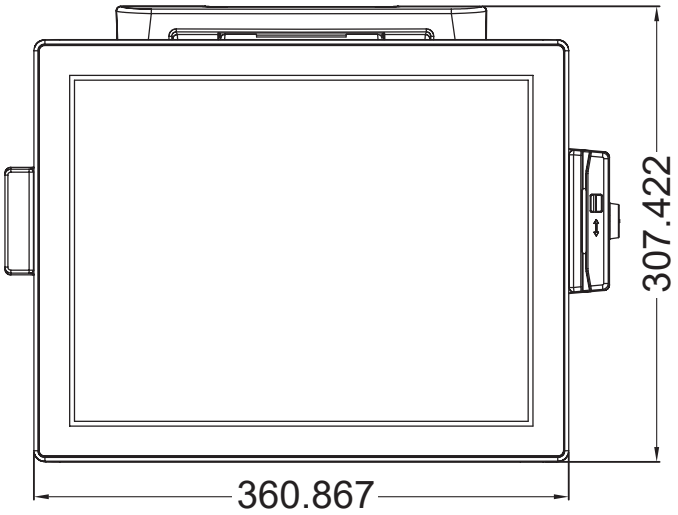


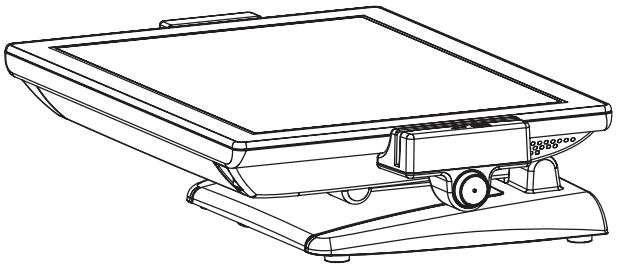
G-815T

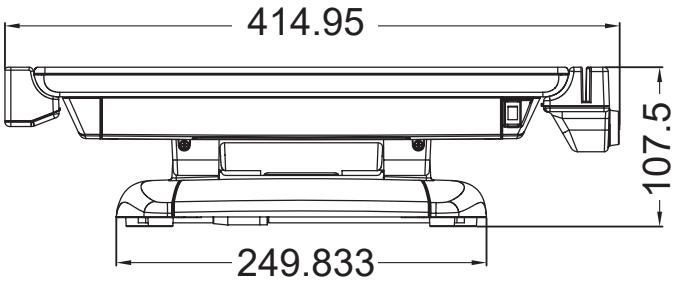
Item	Description
DC OUT jack	12V DC power output
DC IN jack	DC power input
RS-232 ports	COM Port connectors
DK port	Cash Drawer output
USB 2.0 ports	USB 2.0 connectors
USB 3.0 ports	USB 3.0 connectors
USB C ports	USB 3.1 TYPE C connector
LAN port	Gigabit LAN connector
Line Out port	Audio line output connector
HDMI port	HDMI connector

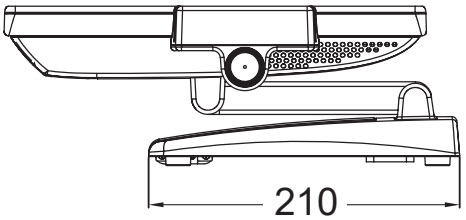
Physical Dimensions

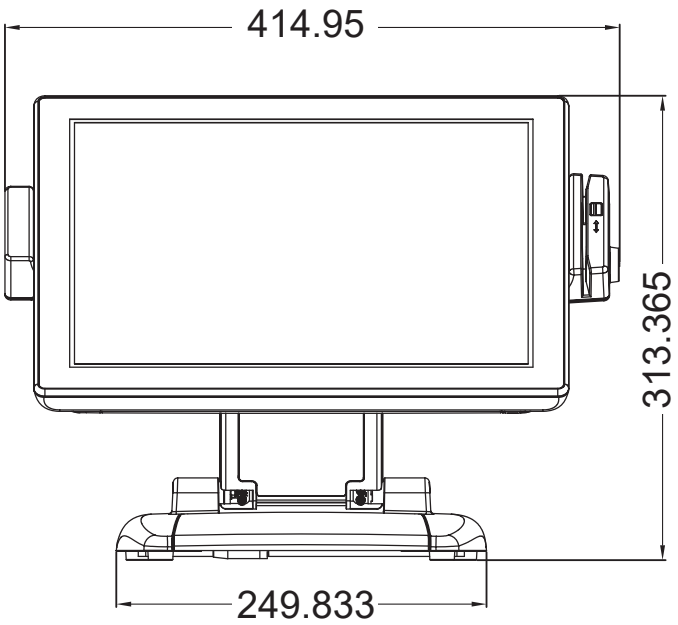
Standard Display



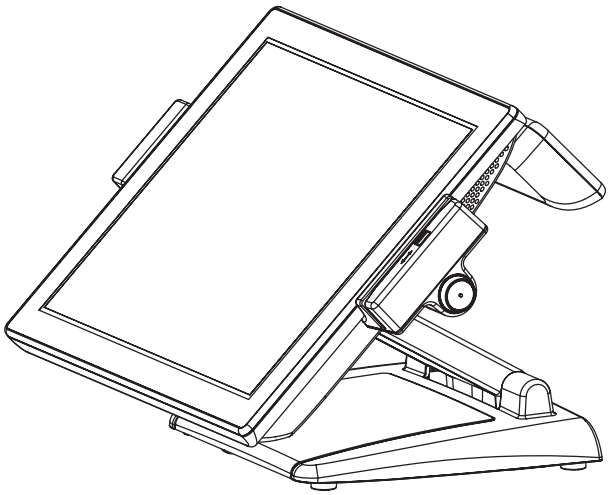


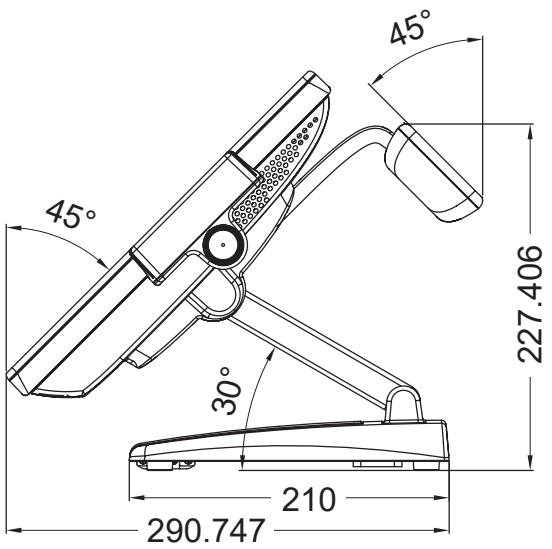


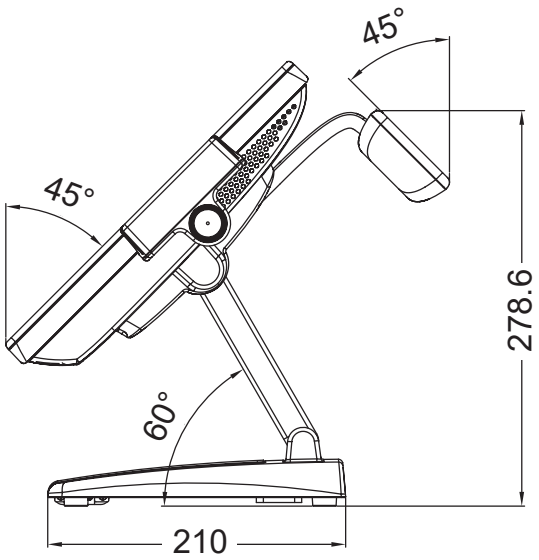




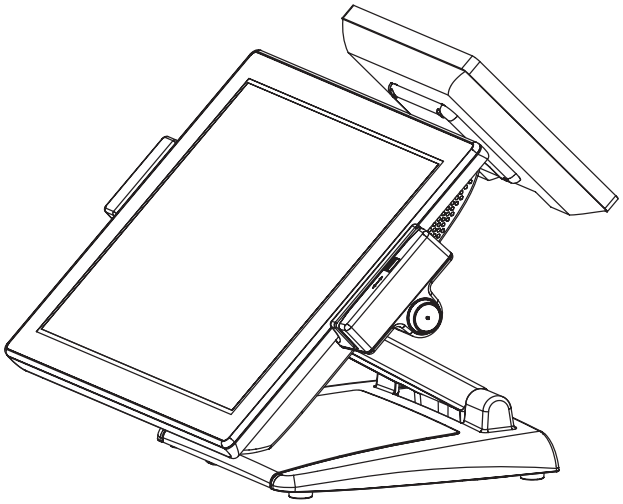
LCM/VFD Customer Display

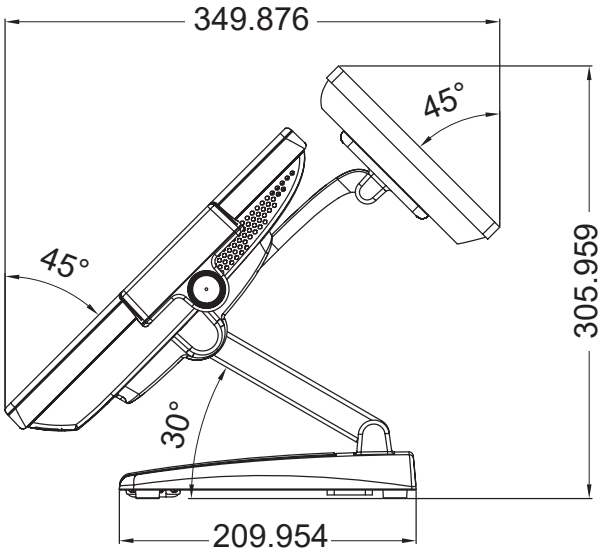


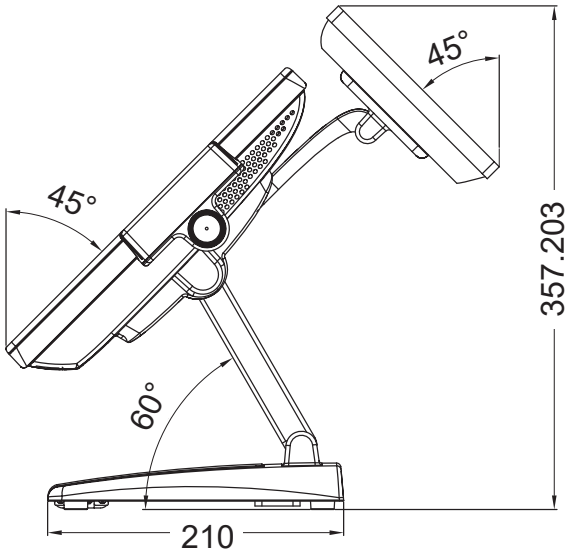




8” Secondary LCD Display







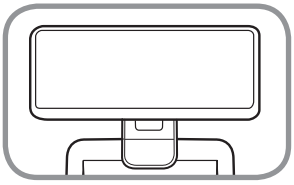
Specifications

Touch Terminal Specifications

System	CPU	Celeron 6305E Dual core 1.8 GHz I3-1115G4E Dual core 3.0 GHz I5-1145G7E Quad core 2.6 GHz
Memory	RAM	4G/8G/16G/32G (DDR4*2 ; Max.64GB)
Storage	SSD or HDD	SSD: 64G / 128G / 256G or HDD: 500G
	M.2 SSD	1 * M.2 (2280 / Socket M Key / NVME PCI-e interface
OS	Operating Systems	Win 10 IoT Enterprise 2019 LTSC (Value version) Win 10 IoT Enterprise 2021 LTSC (Value version) Linux KERNEL 5.4 or above
Display	Type	15"LED Backlight LCD Display
	Resolution	1024 x 768 (4:3)
	Brightness	300 cd/m^2
Touchscreen	Type	Flat Projected Capacitive / 10 Point multi-touch
Multimedia	Speaker	2 x Internal Speaker (2W)
I/O	Standard I/O	4 x USB 2.0 2 x USB 3.0 1 x USB 3.1 Gen.2 high speed port (Without PD function) 4 x RJ-50 RS-232 (default 0V; COM1, COM2, COM3, COM4 0V/5V/12V by Jumper) 1 x RJ45 Gigabit LAN port 1 x RJ-12 12V/24V DK Port (default 24V for Cash Drawer) 1 x Audio Output Phone Jack 1 x HDMI 1.4 1 x DC 19V In with Lock for DC In / 1 x DC 12V Out for DC Out
	Buttons	1 x Power On/Off Button
	Extension Kits (Optional)	MSR Card Reader Kit / RFID Reader Kit / i-Button Reader Kit / Fingerprint Reader Kit / VFD Customer Display Kit / 8" 2nd Display Kit / 10" 2nd Display Kit / 15" 2nd Display Kit
Power	Adapter	External DC Power Adapter 90W,19V,4.7A
Mechanical	Dimensions (W x D X H)	361*239*313 mm (14.21*9.41*12.32 in)
	Weight	Net weight: 6.6Kg / 14.5 lb
Environment	Operating Temperature	0°C to 40°C (32°F ~ 104°F)
	Storage Temperature	-25°C to 70°C (-13°F ~ 158°F)
	Safety Certifications	CE / FCC

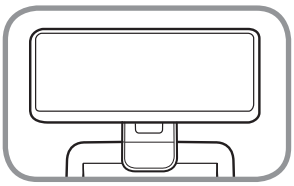
Peripherals Specifications

Vacuum Fluorescent Display (VFD)



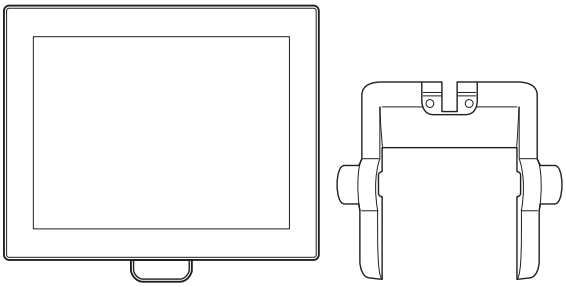
Model no.	CM-7100
Display Method	Vacuum Fluorescent Display (VFD)
Polarizer color	Black
Backlight color	Yellow green
Brightness	500-1000 cd/m2
Display capacity	20 characters x 2 lines
Character format	5 x 7 dot matrix, cursor
Character type	95 Alphanumeric, 32 International characters
Dot size	0.55 (W)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

Liquid Crystal Module (LCM)



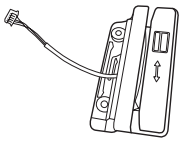
Model no.	CM-3000
Polarizer color	Blue
Backlight color	White
Display capacity	20 characters x 2 lines
Character format	5 x 8 dots
Character type	International (Default) English-Russia/English-Japanese/Traditional Chinese/Simplified Chinese (Optional, factory-installed required)
Dot size	0.93 (W) x 1.11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

2nd LCD Display

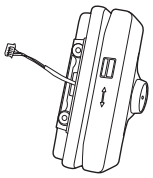


Model no.	MN-0810	MN-1010
LCD Panel	8” TFT LED backlight	10.4” TFT LED backlight
Resolution	800 x 600	
Color	262,144	
Viewing Angle	140° (H) / 125° (V)	110° (H) / 150° (V)
Response Time	25ms (typical)	30ms (typical)
Contrast Ratio	500:1 (typical)	
Brightness	250 nits (typical)	300 nits (typical)
Video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

Identification Reader

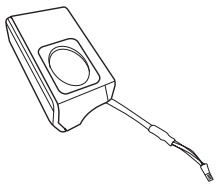


MSR Identification Reader

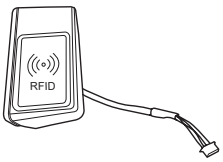


MSR+iButton Identification Reader

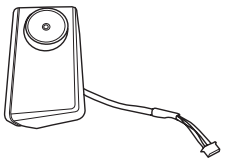
Model no.	IG-20L
MSR	ISO Track 1/2/3 single/dual/ triple tracks of magnetic card, support ANSI/ ISO Standards7810, 7811 1/5, 7812 & 7813. USB HID Keyboard mode interface
iButton Detector	Dallas DS1990A compliment / With leading / ending programming function. USB HID Keyboard mode interface



Fingerprint Identification Reader



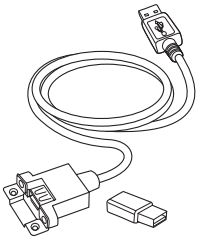
RFID Identification Reader



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

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-815T is required to install at least one DDR4 memory module before booting up the operating system. Be sure to install it in the channel 1 socket.

System Default Settings

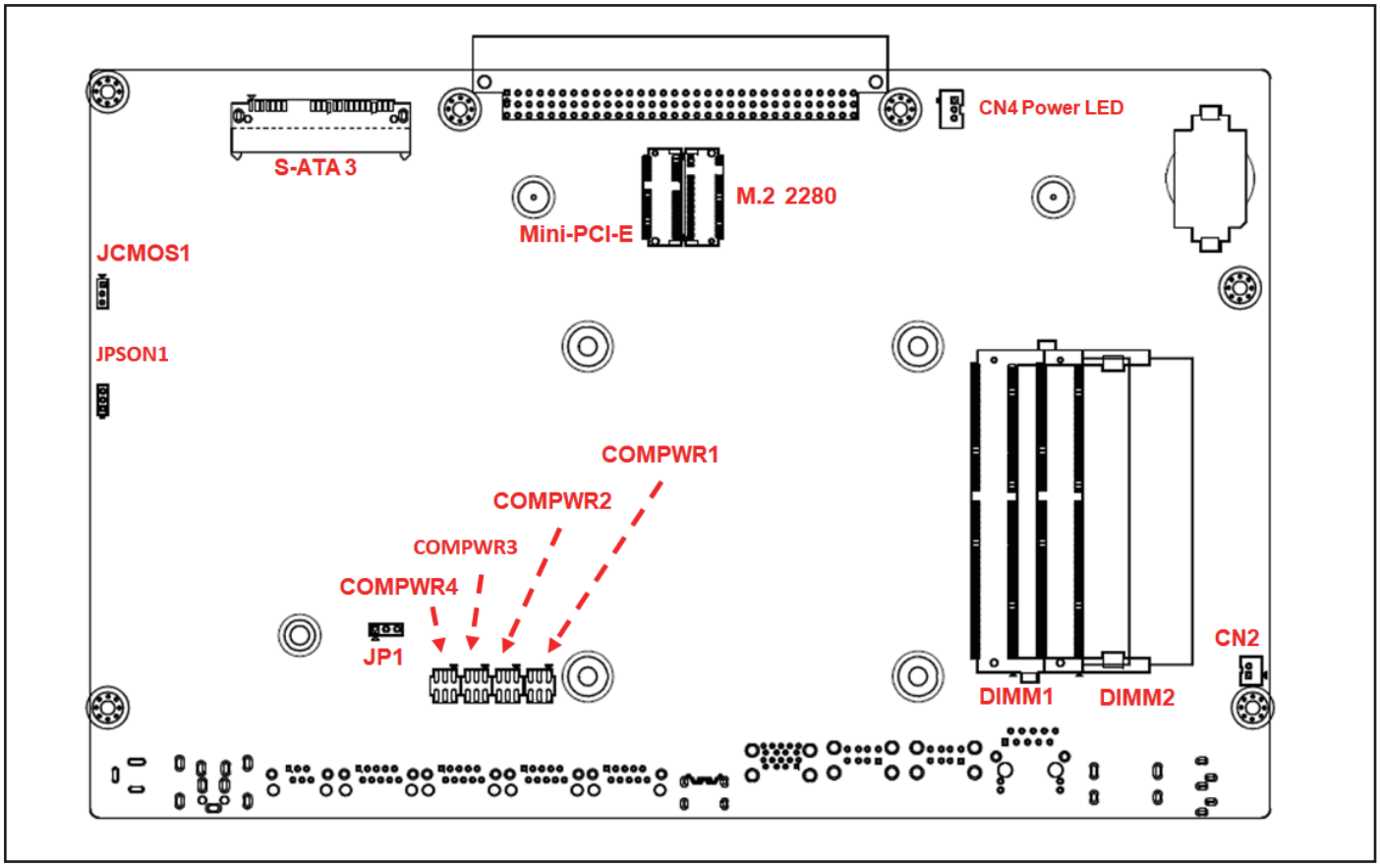
The following is the information on default settings for Touch Terminal serial ports.

G-815T

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-815T



CN2:PWR trigger button

JCMOS1:Clear CMOS Contents

MODE	Jumper Setting
Normal	1-2 (Default)
Clear CMOS	2-3

JSON1:DC Power Mode Setting

MODE	Jumper Setting
AT	1-2
ATX	2-3 (Default)

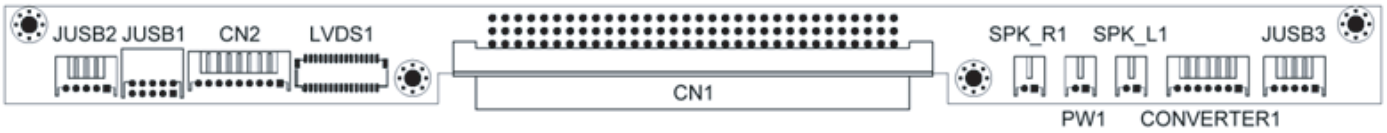
JP1:Cash drawer Power Selection

MODE	Jumper Setting
19V	1-2 (Default)
12V	2-3

COM PWR1-4:COM Port D-SUB Pin9 Voltage Selection

MODE	Jumper Setting
12V	1-2
RI	3-4 (Default)
5V	5-6

G-815T
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

Voltage Output De inition

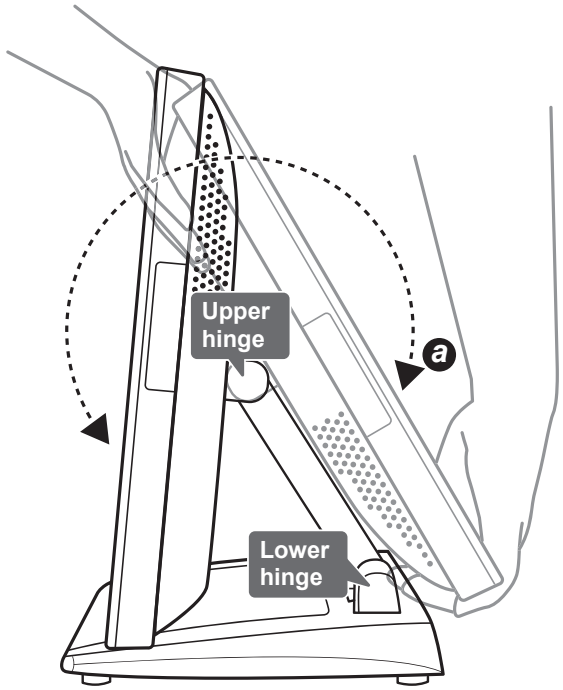
G-815T

Connector with Voltage Output	Location	Power Support
COM 1 for extension interface (9th PIN of DB-9 Extension Cable)	Main Board	DC5V/DC12V select by jumper
COM 2 for extension interface (9th PIN of DB-9 Extension Cable)	Main Board	DC5V/DC12V select by jumper
COM 3 for extension interface (9th PIN of DB-9 Extension Cable)	Main Board	DC5V/DC12V select by jumper
COM 4 for extension interface (9th PIN of DB-9 Extension Cable	Main Board	DC5V/DC12V select by jumper
COM 5 (reserved)	Main Board	DC5V/DC12V select by jumper
COM 6 for Cash drawer control	Main Board	12V/24V select by jumper
Standard USB2.0 Ports	Main Board	DC5V / 500mA
Standard USB3.0 Ports	Main Board	DC5V / 900mA

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.*

3. Flip the LCD panel around to face outward.

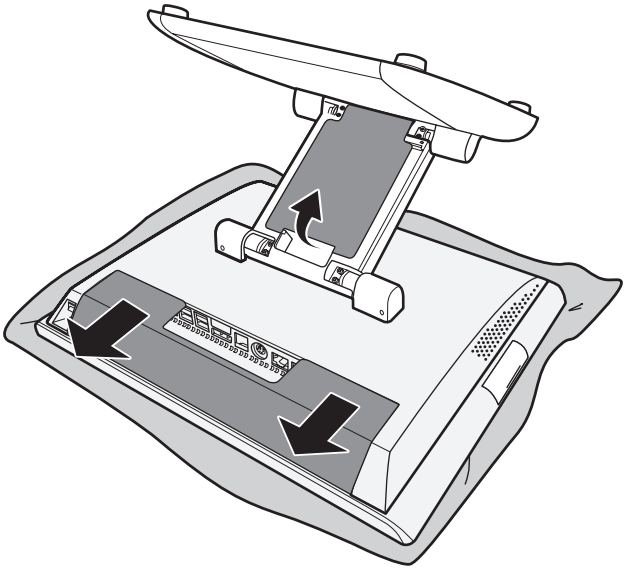


NOTE:

- *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.*

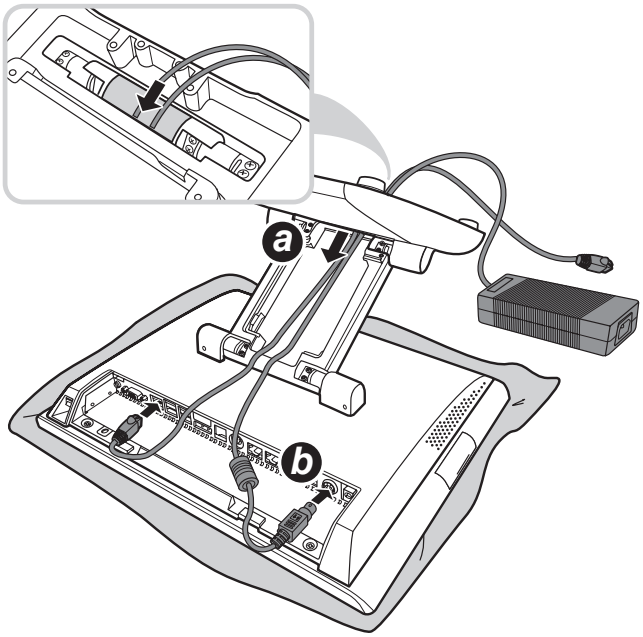
Installing the Power Cord, Power Adapter, and Network Cable

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.



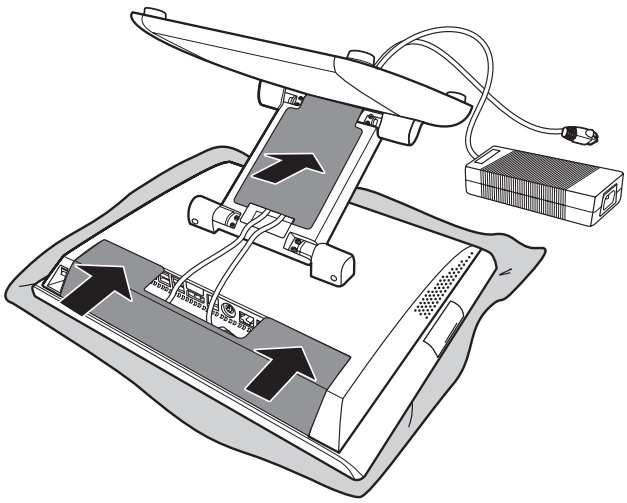
2. Route the power adapter and the network cable through the cable compartment. **(a)**

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



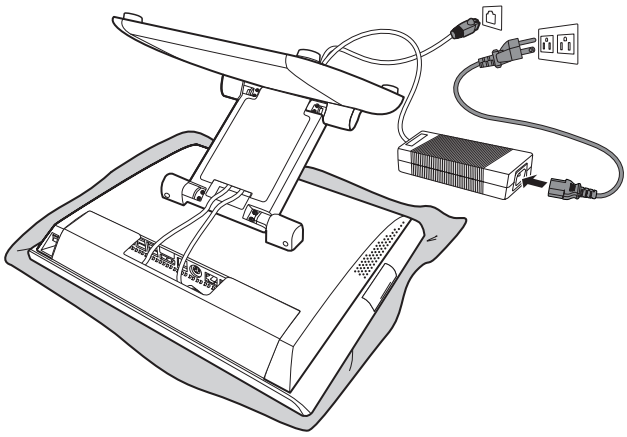
- When removing the power adapter, be sure to hold the end of power adapter firmly and pull it out.

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.



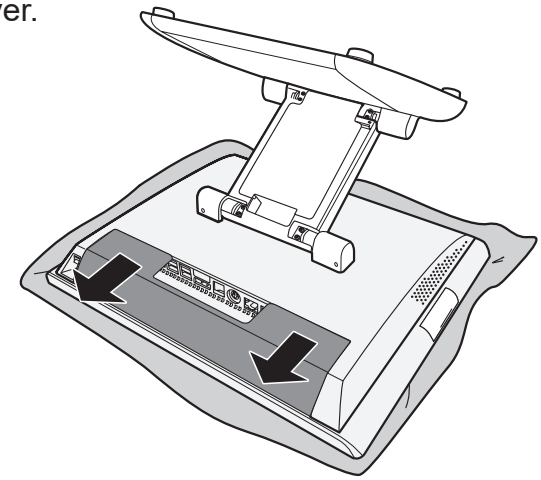
WARNING:

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

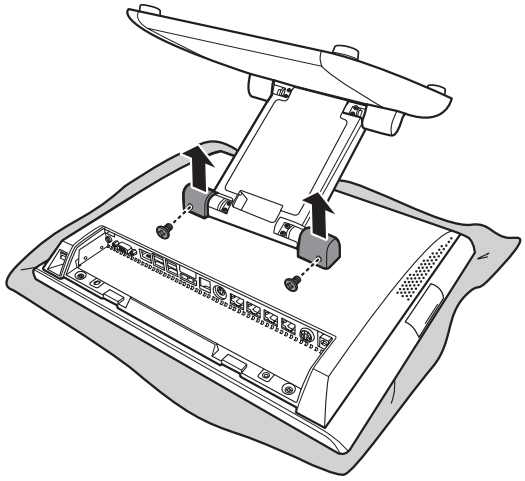
Installing the Customer Display (Optional)

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).

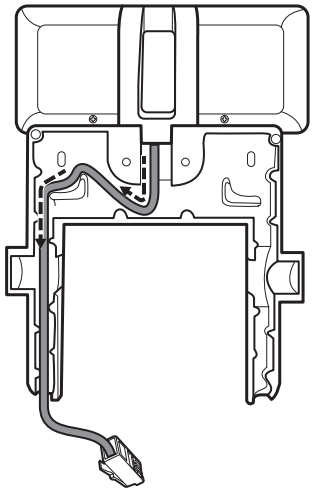
1. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down. Remove the connectors cover.



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

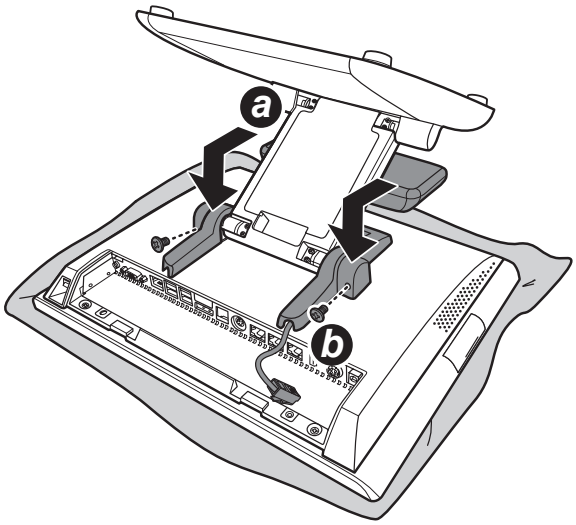


3. Route the customer display's interface cable on the left side of the cable compartment of the customer display's bracket, as shown in the illustration below.

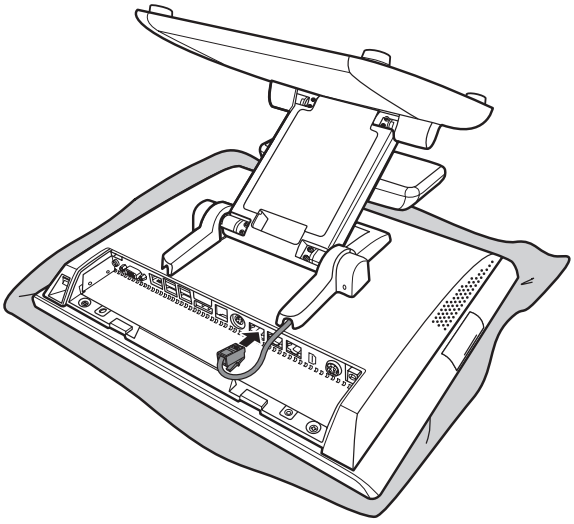


4. Install the customer display bracket into its slot on the back of the LCD panel. Make sure the bracket is properly aligned with the hinge. **(a)**

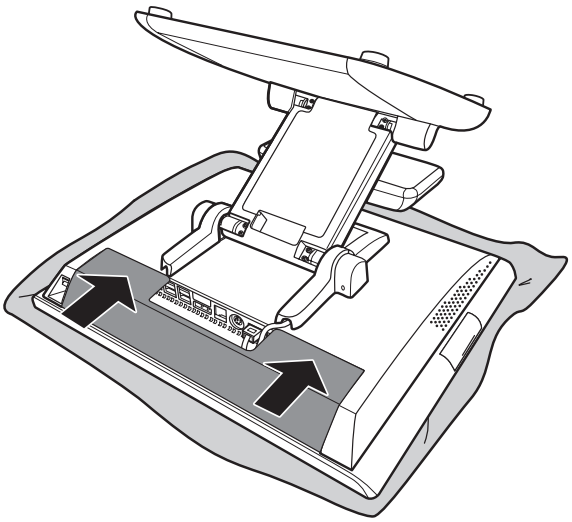
   Then secure the bracket to the hinge with the two screws (F⊕M4x10). **(b)**



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



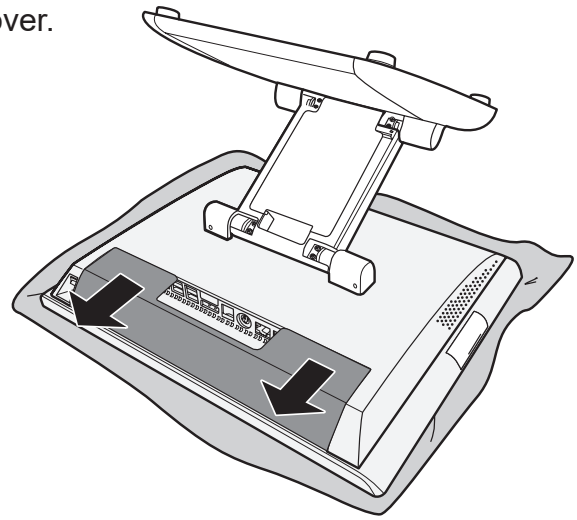
6. Align and install the connectors cover.



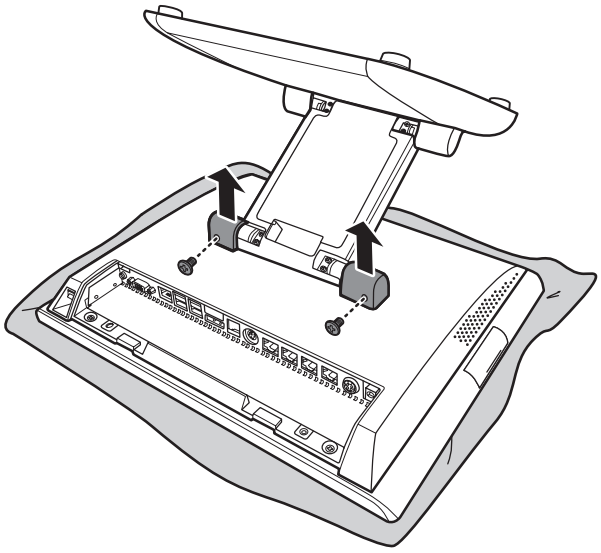
Installing the Secondary LCD Display (Optional)

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

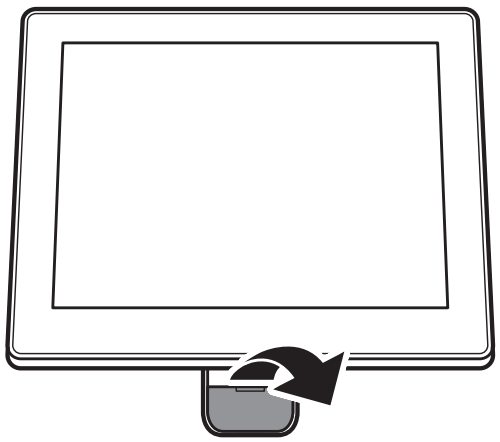
1. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down. Remove the connectors cover.



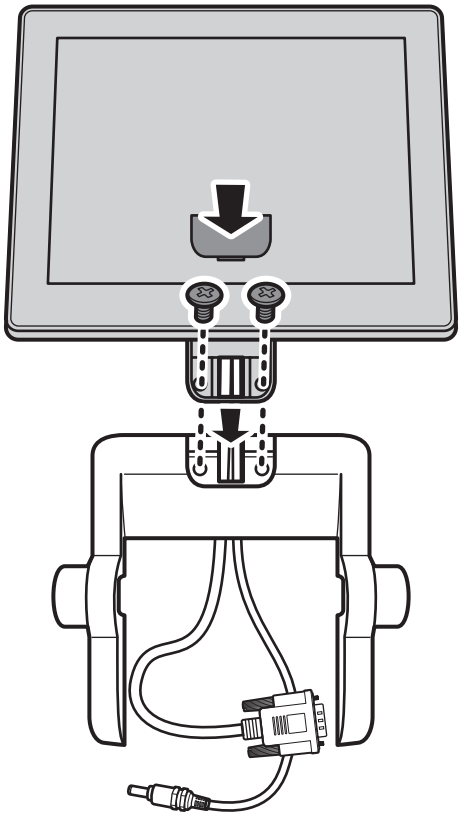
2. Remove the two screws (F ⊕M4x10) on the hinge cover. Then remove the hinge cover.



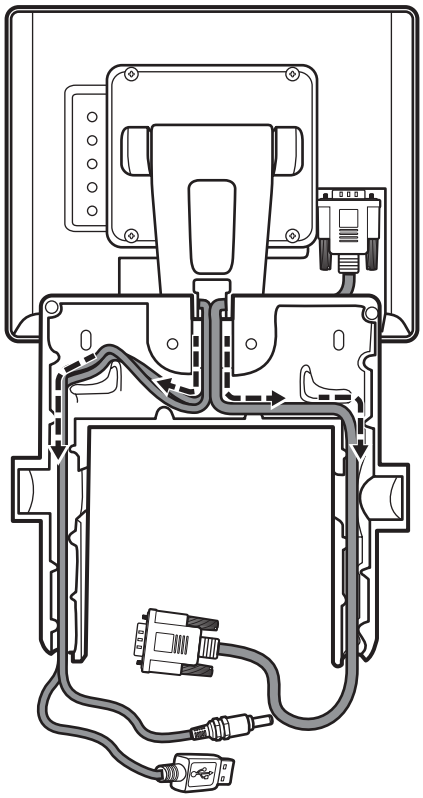
3. Remove the secondary LCD display compartment.



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, HDMI cable, and Touch USB cable (optional) on the cable compartment of the bracket, as shown in the illustration below.

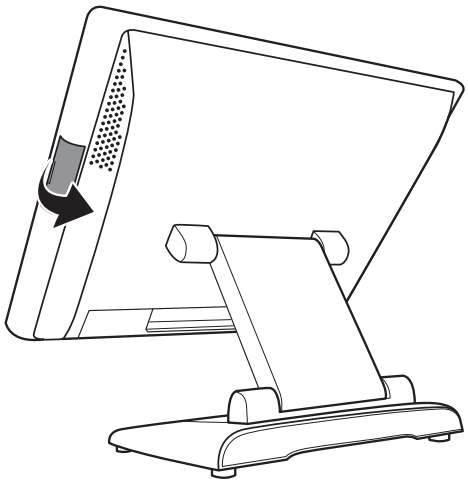


Installing the IG-20L MSR (Optional)

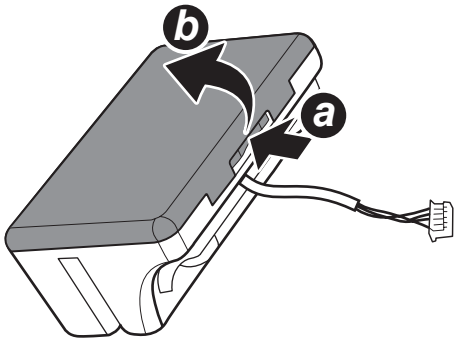
WARNING:

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

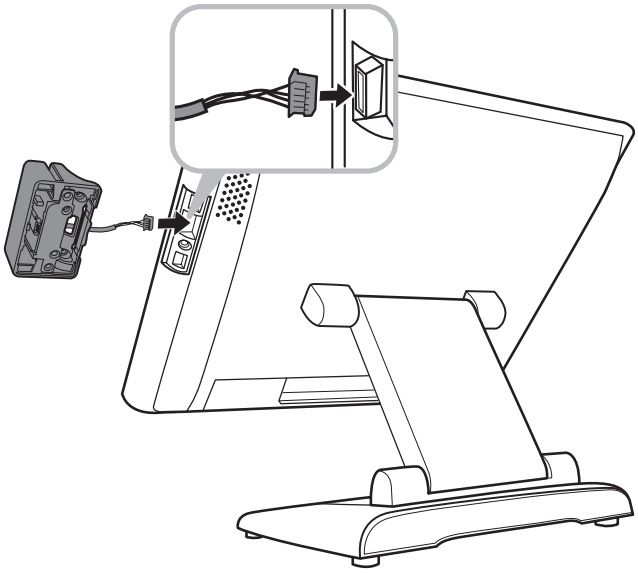
1. Remove the MSR module compartment.



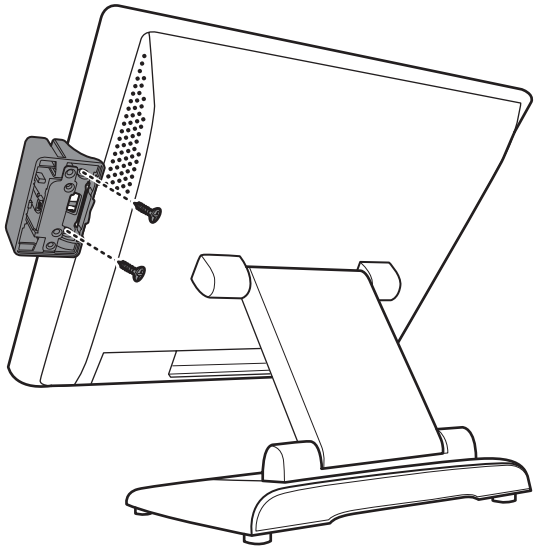
2. Press the latch down to disengage the MSR module cover from its main unit. **(a)**
   Then remove the MSR module cover. **(b)**



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).



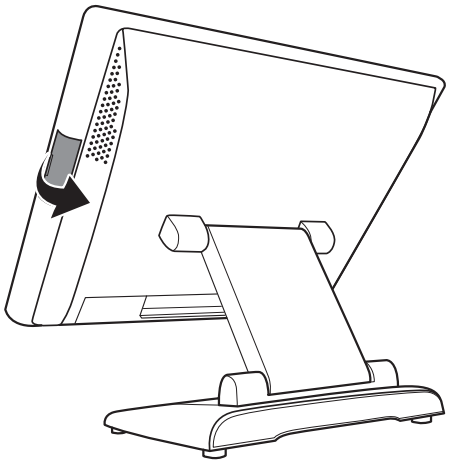
5. Install the MSR module cover.

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

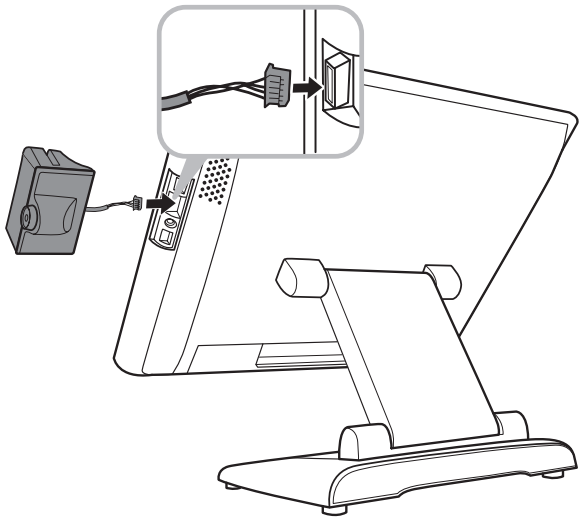
WARNING:

Be sure to turn off the power of the Touch Terminal before making any

1. Remove the reader compartment.



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

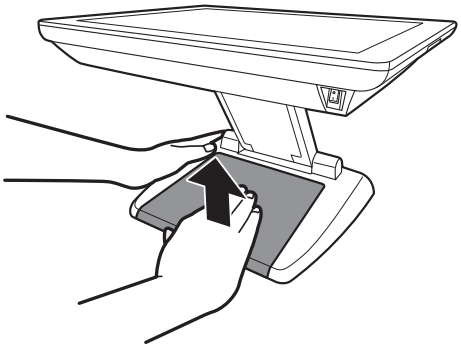


3. Press the latch down to disengage the reader cover from its main unit. **(a)**
   Then carefully pull the cover by the left side to release it from its main unit. **(b)**

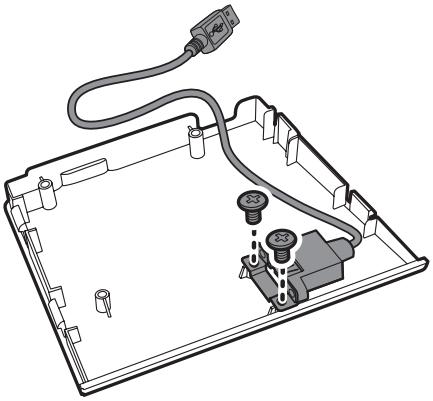
Installing the Wireless Module (Optional)

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

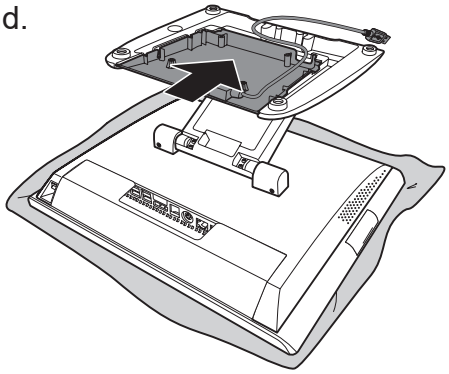
1. Support the stand firmly with one hand while detaching the stand cover from the stand with the other hand.



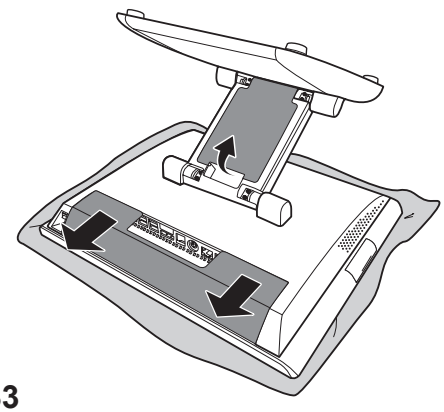
2. Install the wireless module into its slot on the stand cover, as shown in the illustration below. Then secure the cable bracket to the stand cover with the two screws (F⊕M3x4).



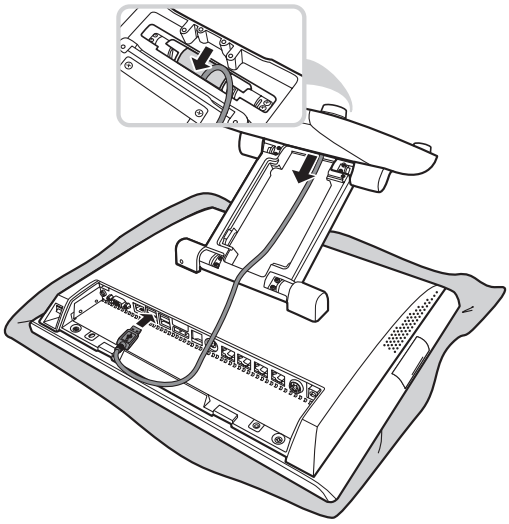
3. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down. Install the stand cover onto the stand.



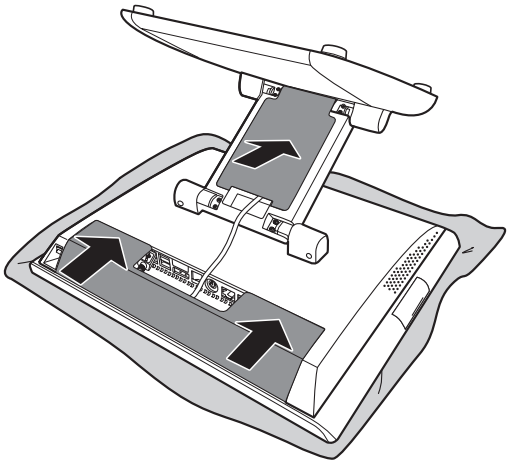
4. Remove the cable compartment and the connectors covers.



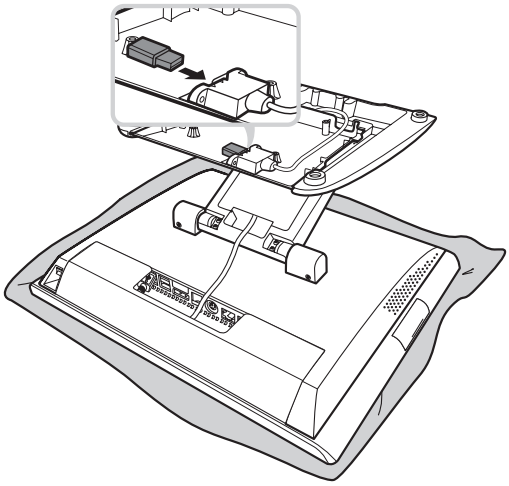
5. Route the wireless module cable through the cable compartment. Then connect the wireless module cable to the USB port.



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.

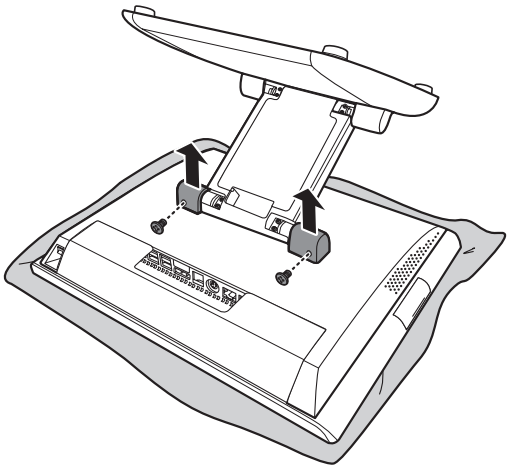


Installing the VESA Mount (Optional)

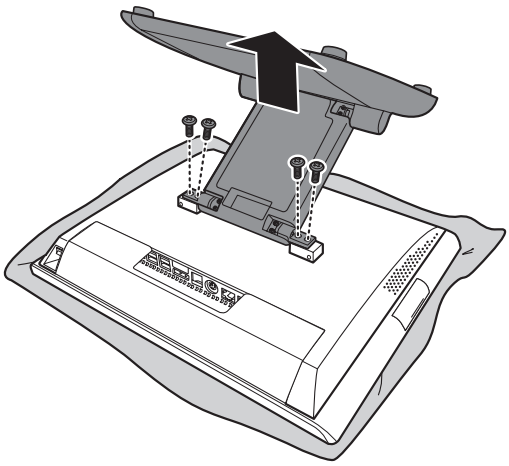
NOTE:

- *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.*

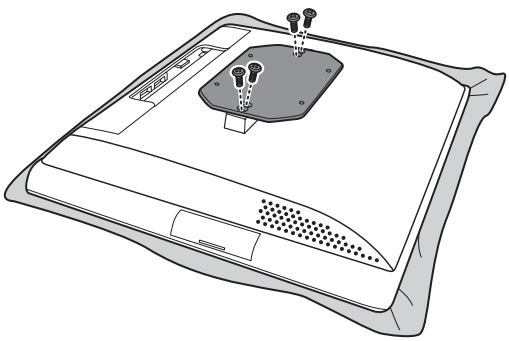
1. Place the Touch Terminal on a soft and flat surface, with the LCD panel facing down. Remove the two screws (F⊕M4x10) on the hinge cover. Then remove the hinge cover.



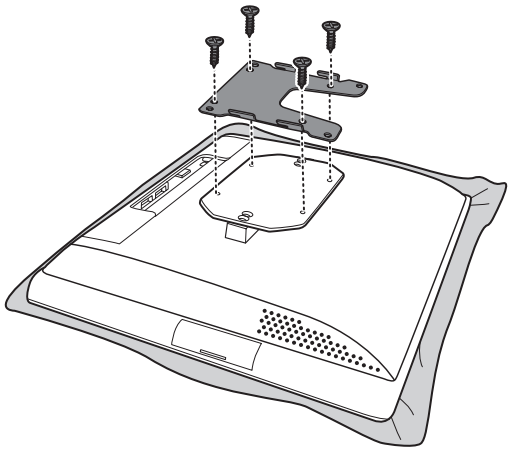
2. Remove the four screws (M4x12) on the hinge. Then remove the stand.



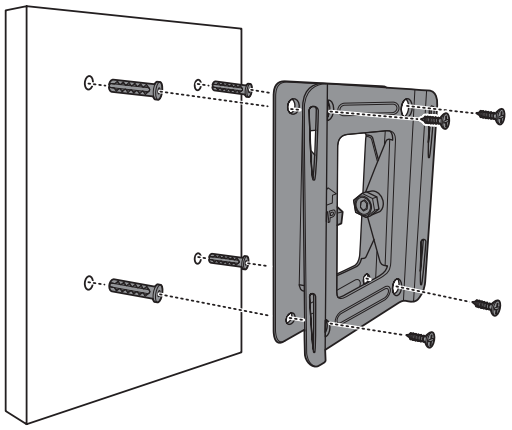
3. Align and install the VESA plate on the back of the Touch Panel using four screws (F⊕M4x10).



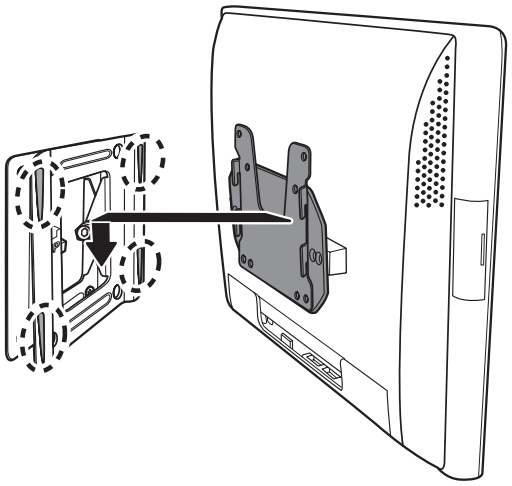
4. Attach the mount bracket onto the VESA plate using four screws (M4x10).



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.



Glamor Series

G-815T

User's Manual V1.0

Glamor Series

G-815T

User's Manual V1.0

Glamor Series

G-815T

User's Manual V1.0

Glamor Series

G-815T

User's Manual V1.0