RT-2015-G2/RT-2016-G2
Fanless Touch POS Terminal
User Manual



Package Contents

- ✓ RT-2015-G2 15” fanless touch terminal or RT-2016-G2 15.6” fanless touch terminal (x 1)
- ✓ Power adapter (x 1)
- ✓ Power cord (x 1)

SOME IMPORTANT NOTES

FCC NOTES

This system meets industry & government requirements and applicable standards. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with limits for a Class A digital device pursuant to subpart B of Part 15 of FCC Rules, which are designed to provide reasonable protection against interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures to correct the interference.
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CE CLASS A WARNING

This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

AVERTISSEMENT CE CLASSE A

Cet équipement est conforme à la classe A de CISPR 32. Dans un environnement résidentiel, cet équipement peut provoquer des interférences radio.

WARRANTY LIMITS

Warranty will terminate automatically when the machine is opened by any person other than the authorized technicians. The user should consult his/her dealer for the problem happening. Warranty voids if the user does not follow the instructions in application of this merchandise. The manufacturer is by no means responsible for any damage or hazard caused by improper application.

LIMITES DE GARANTIE

La garantie prend fin automatiquement lorsque la machine est ouverte par une personne autre que les techniciens autorisés. L'utilisateur doit consulter son revendeur pour le problème qui se produit. La garantie s'annule si l'utilisateur ne suit pas les instructions d'application de cette marchandise. Le fabricant

n'est en aucun cas responsable de tout dommage ou danger causé par une mauvaise application.

警告使用者

為避免電磁干擾，本產品不應安裝或使用於住宅環境。

SAFETY INSTRUCTIONS

This equipment is not suitable for use in locations where children are likely to be present.

CONSIGNES DE SÉCURITÉ

Cet équipement ne convient pas à une utilisation dans des lieux pouvant accueillir des enfants.

WARNING

Power cord shall be connected to a socket-outlet with earthing connection.

ATTENTION

Le cordon d'alimentation doit être connecté à une prise de courant avec mise à la terre.

BATTERY WARNING

Risk of explosion if battery is replaced by an incorrect type. Dispose of expended battery in accordance with local disposal regulations.

AVERTISSEMENT DE BATTERIE

Risque d'explosion si la batterie est remplacée par un type incorrect. Jetez la batterie usagée conformément aux réglementations locales en matière d'élimination.

警告

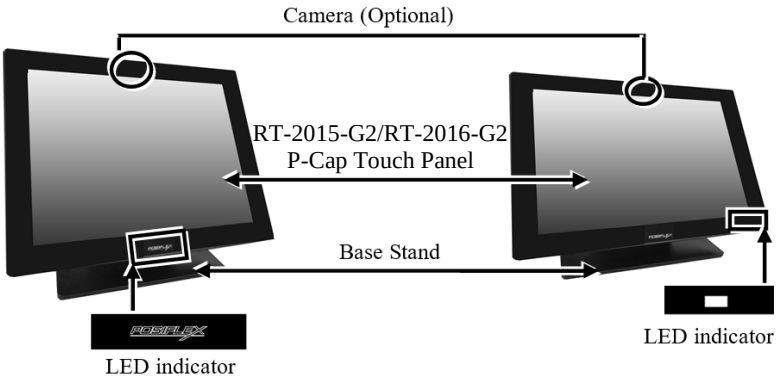
本電池如果更換不正確會有爆炸的危險，請依製造商說明書處理用過之電池。

Revision History

Date	Version	Description
2024/02/26	A0	For Preliminary Release
2024/05/27	B0	The mechanical part has modified the neck cover, back cover and base to improve the inconvenience that consumers may encounter when using it.
2024/12/12	C0	Add side attachment RA-105/106 for option

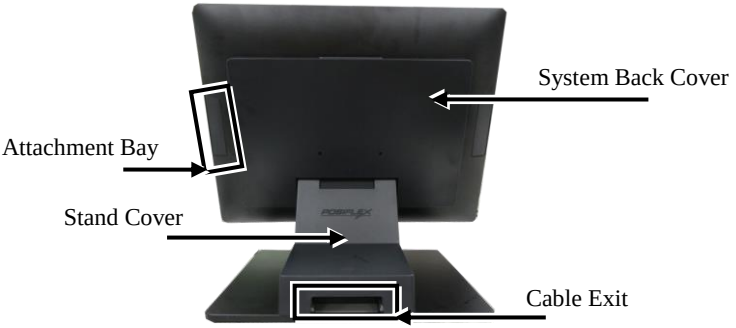
Views of RT-2015-G2/RT-2016-G2

Front View



15" RT-2015-G2 **15.6" RT-2016-G2**

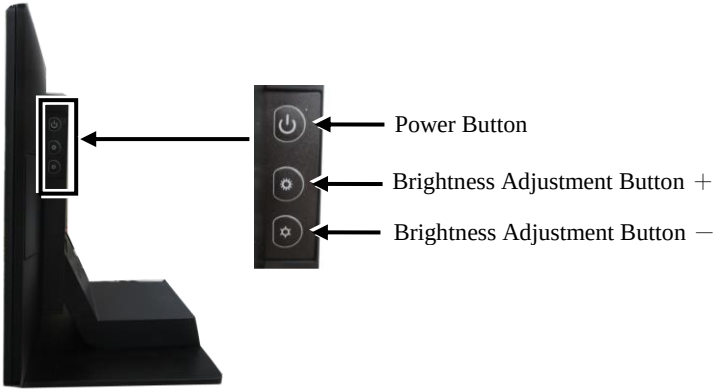
Rear View



Bottom View

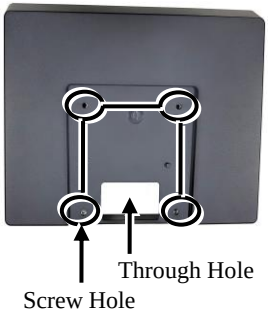


Left-Side View

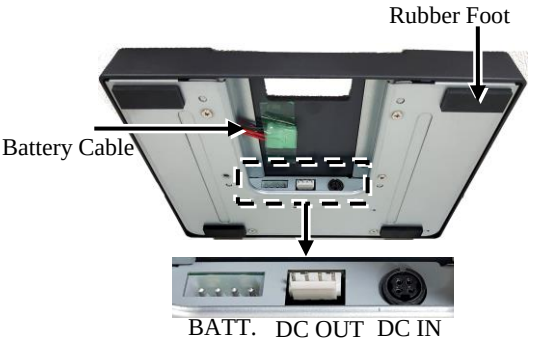


Views of RB-5000 UPS Base Stand (Option for RT Series Model)

Top View



Bottom View





When the AC power is turned off, the RT terminal will begin to be powered by the UPS battery and the RB-5000 will beep once every three seconds. At this time, back up the data on the terminal immediately and power off the RT terminal.

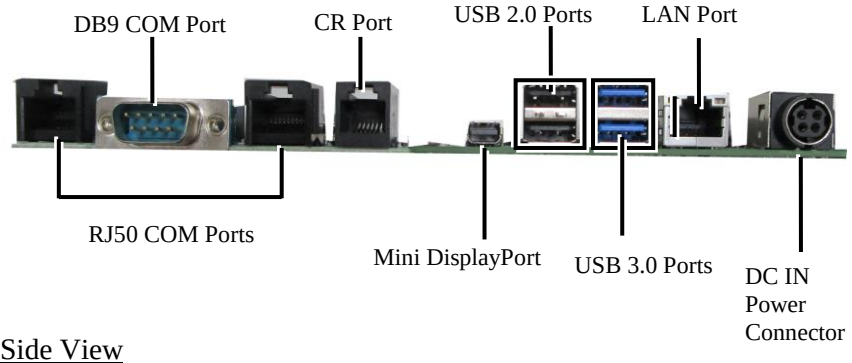


When the AC power is turned off, if the UPS battery is very low, the RB-5000 will beep once every second. At this moment, power off the RT terminal immediately.

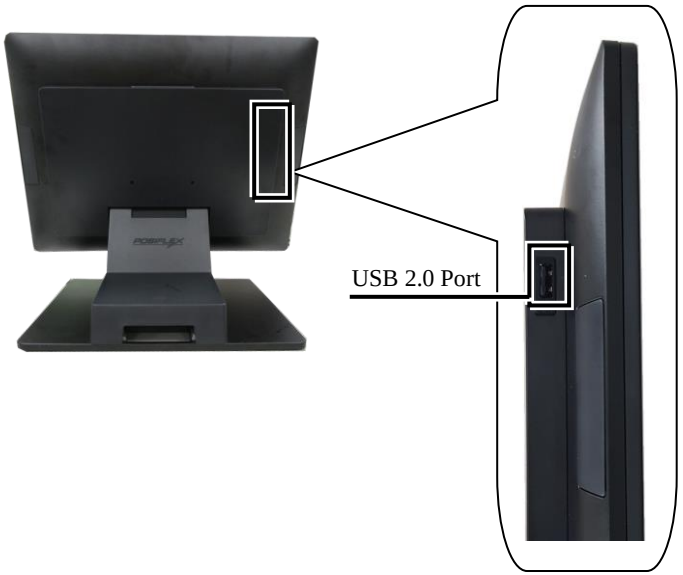
To get more detailed information of RB-5000, please contact the service team of Posiflex or download the RB-5000 user manual from Posiflex Global Website: (https://download.posiflex.com/en-global/Download/index/manualUinstall_guide/pos-terminal/RT-2015-G2).

View of I/O Interface of RT-2015-G2/RT-2016-G2

Bottom Side View



Side View



Positioning your POS for a Perfect Viewing Angle

Steady the base with one hand, and then tilt the screen in the direction shown by the arrow in the figure. Please do NOT press on the LCD panel while setting up the tilt angle.



Installing Power Adapter and Cables

The following provides instructions required to install your cables.

1. Lay the terminal with its rear facing towards you and tilt the screen all the way down.



2. Remove the system back cover.
   2.1 If the system back cover is fire-resistant, first locate the screw as indicated in the figure, and then remove it.

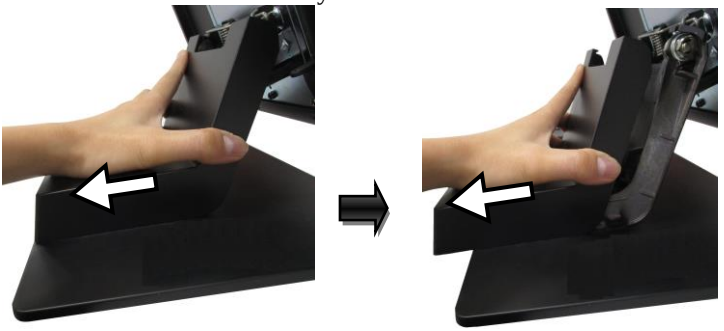


Screw for Fire-Resistant System Back Cover

   2.2 Hold down the release lever at the bottom of the system back cover and then pulling the cover outwards.



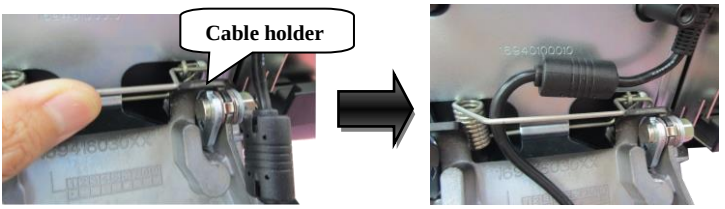
3. To remove the stand cover from the base, please slide it in the horizontal direction shown by the arrow.



4. Connect the connector of the power adapter to the DC-IN power jack. If necessary, properly insert other cables into the correct port.



5. **Neatly arrange the cables.** Locate the cable holder inside the base as shown in the figure. Push down the lever to release if from the hook, pass the cable through cable holder, and then press down the lever again to lock it onto the hook.



6. Make sure the cord can be held into place and passed through the cable exit after sliding back the stand cover.



7.

7.1 Place back the sytem back cover. Make sure it is well locked into place with a click sound.



7.2 For the fire-resistant system back cover, please insert another screw into the screw hole indicated in the figure, and secure it.



8. Make sure the cable could be pulled out of the cable exit from the bottom of the base.



Cable connectors like the connector of LAN cable have to be gently inserted until a click sound is given. It is recommended that the I/O ports, such as COM (DB9) port and VGA port, should be fastened with connector thumb screws after the I/O cable connectors are completely connected. And please make sure that each connector has to be connected to the right peripheral device in the right way.

CAUTION: On doing insertion or extraction of a cable connector, please always hold the connector head itself instead of pulling the cable wire. Doing this could damage the cables, which is considered as an artificial damage and is not covered by the warranty. The means of power cord should be connected to a socket-outlet with earthing connection.

ATTENTION: Lors de l'insertion ou de l'extraction d'un connecteur de câble, veuillez toujours tenir la tête du connecteur elle-même au lieu de tirer le fil du câble. Cela pourrait endommager les câbles, ce qui est considéré comme un dommage artificiel et n'est pas couvert par la garantie. Le cordon d'alimentation doit être connecté à une prise de courant avec mise à la terre.

Installing Optional Upgrade Kits and Peripherals

RT-2015-G2/2016-G2 is an expandable model which allows you to upgrade its own capacity by additionally installing multiple peripheral devices, such as magnetic stripe reader (MSR), fingerprint or iButton sensors, and 2nd rear-mount POS monitor, according to your preference. The following will give you brief instructions on how to expand on your current POS system with these optional upgrade kits. Before proceeding with the installation of peripherals, please make sure the POS system is completely shut down to prevent damage.

- **Installing Side Mount Upgrade Kits**

  Located at left side on the back of your system unit, side mount compartment is mainly used for installation of side-mounted equipment, such as magnetic stripe reader. For detailed installation instructions, please refer to the user manual specific to the device which you intend to mount onto the terminal.



- **Installing Rear-Mount POS Monitor**

  RT-series POS terminal also allows you to additionally install rear-mount POS monitor to expand its functionality. Regarding the step-by-step instructions which aim to help you mount it onto your POS system, Please refer to the user manual specific to the device you intend to install.



- **Installing PoweredUSB or USB Hub**

  Please go through the below steps to complete the installation of PoweredUSB or USB hub.

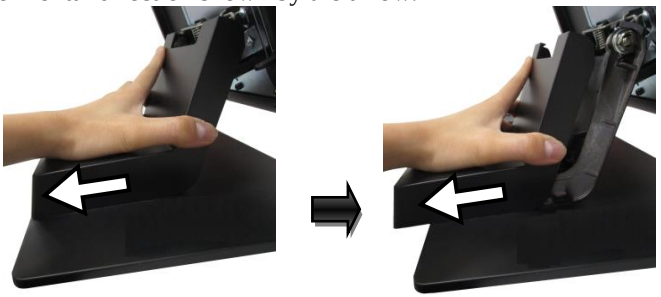
1. After tilting the screen all the way down, remove the system back cover.
   1.1 If the system back cover is fire-resistant, first locate the screw as indicated in the figure, and then remove it.



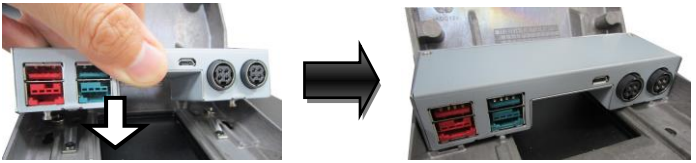
1.2 Hold down the release lever at the bottom of the system back cover and then pulling the cover outwards



2. To remove the stand cover from the base, please slide it in the horizontal direction shown by the arrow.



3. Align the two screw bolts at the bottom of PoweredUSB or USB hub with rail slots in the base.

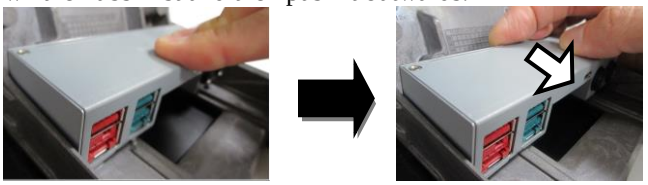


4.

Push PoweredUSB or USB hub in the direction shown by the arrow to lock it into place.



To remove the PoweredUSB or USB hub from the rail slots, press down the hubs first and then push it outwards.



5. Install power adaptor extension cable, USB cable, and power adaptor for **PoweredUSB hub**.

5.1 Insert one end of the provided power adaptor extension cable to DC Input port of PoweredUSB hub and another end to DC-in power jack of the terminal.



5.2 Insert mini-USB connector of the USB cable to PoweredUSB hub and another end to USB3.0 port of the terminal.



5.3 Connect the connector of the power adapter to DC Output port of PoweredUSB hub, and the other end to the electrical outlet.



6. To Install USB cable for **USB hub**, Plug Type-A connector of USB cable to USB Port of USB hub and the other end of USB cable to USB3.0 port of the POS terminal.



7. Neatly arrange your cable and then slide back the stand cover.



8. .

8.1 Place back the sytem back cover. Make sure it is well locked into place with a click sound



8.2 For the fire-resistant system back cover, please insert another screw into the screw hole indicated in the figure, and secure it.



Status LED Indicator

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

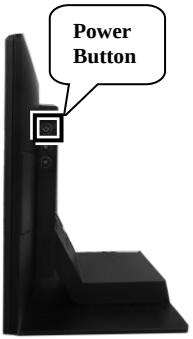
15" RT-2015-G2

LED Status	Description
Off	System power OFF
Green	System standby
Blue	System power ON

15.6" RT-2016-G2

LED Status	Description
Off	System power OFF
Orange	System standby
Blue	System power ON

Powering ON/OFF RT-2015-G2/2016-G2



Power ON RT-2015-G2/2016-G2

Press down the power button to power on the POS.

Power OFF RT-2015-G2/2016-G2

In most cases, press the power button of the POS to power the system off. If the terminal fails to turn off the machine for unknown reasons, please be advised to hold the power button more than 10 seconds to force a shutdown of the system.

Installing an Operating System

You are highly advised not to install an operating system on RT-2015-G2/2016-G2 without professional instructions. Improper installation could lead to system malfunction or failure. Please contact with your dealers about the issues of operating system installation.

Driver Download

If your POS terminal is shipped without OS pre-installed, please download the relevant driver that you need from the Posiflex website (https://download.posiflex.com/en-global/Download/index/driver/pos-terminal/RT-2015-G2).

Performing System Recovery

For RT-2015-G2/2016-G2 model with preloaded operating systems, Recovery DVD which includes useful utilities will be provided in the package to assist you in efficiently restoring or repairing your damaged system. However, you are not encouraged to recover your system without the help of system integrators. Please be advised to contact your service center for further assistance with system recovery.

Operation Environment

To prevent RT-2015-G2/2016-G2 from overheating, it is suggested to position your terminal in a well-ventilated working environment. In doing so, please be advised to keep the POS terminal at least 25mm away from other devices to ensure the machine is properly cooled down and functioning normally.

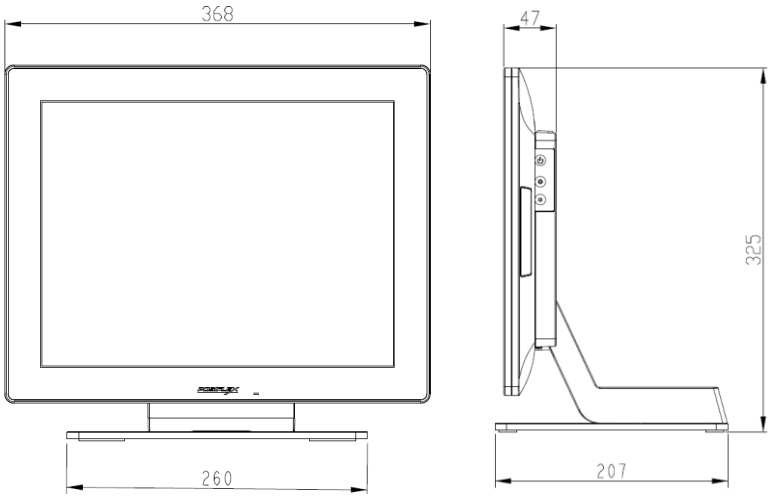
Specifications

	RT-2015-G2	RT-2016-G2
CPU	Intel Elkhart Lake J6412	
System Memory	DDR4 SO-DIMM x 2	
Storage Device	M.2 slot x 2 (M.2 2280 / B+M key), SATA I/F	
OS Support	Windows 10 IoT	
vPro	N.A	
TPM	Yes, TPM2.0 (Intel PTT)	
RAID	N.A	
Power Supply	12V / 60W, can be upgraded to 150W while adopting PoweredUSB module	
LCD Panel	15"TFT LCD with LED backlight	15.6" TFT LCD with LED backlight
LCD Resolution	1024 x 768	1920 x 1080
Touch Sensor	P-CAP touch	
Serial Port	3 ports, DB9 x 1+ RJ-50 x 2	

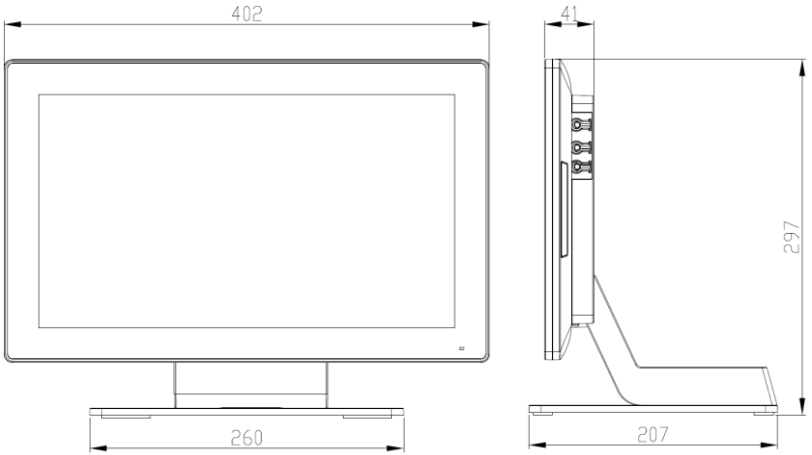
	Note: 5V support on all COM port (via BIOS), 12V support on COM1 ~ COM3 (by jumper)	
USB Port	5 ports, USB3.0 x 2+ USB2.0 x 3	
LAN Port	10/100/1000 Mb x 1	
Display Port	● eDP connector (internal header, support 15" and 15.6" LCD panel) ● VGA + USB + 12V (internal header, supporting 2nd monitor) ● 1 x Mini DP port (on I/O plate)	
CR Port	1 port, controlling 2 CR	
Audio Port	Internal 2W speaker x 1	
Extension Slot	M.2 slot x 1	
Dimension (W x V x D in mm)	Main Unit： 368 x 292 x 46.6 with base stand ： 368 x 325 x 207	Main Unit： 402 x 251 x 41.2 with base stand ： 402 x 297 x 207
Environmental Requirements	Operating： 0℃ ～ 50℃ , 20%RH - 90%RH (equipped with SSD) Storage：-20℃ ～ 70℃, 10%RH - 90%RH	
Regulation Rules	FCC/CE	
Attachment		
RA-101	Slim MSR attachment	
RA-103	iButton (or RFID) with one USB port attachment	
RA-104	2D scanner attachment	
RA-105	2D scanner and fingerprint sensor attachment	
RA-106	iButton and RFID/NFC attachment	
RA-301	3-in-1 MSR + Fingerprint Sensor + 2D scanner attachment	
LM/TM-4010	9.7" 2nd display	
LM/TM-4011	10.1" 2nd display	
LM/TM-4015	15" 2nd display	
RT-460	PoweredUSB module to support 12Vand 24V Powered USB ports (installed in base stand)	
RT-560	USB port replicator (USB2.0 x 4, installed in base stand)	
RB-5000	UPS battery stand	

Outline Dimension

RT-2015-G2



RT-2016-G2



※ The product information and specifications are subject to change without prior notice. To get the detailed information on the RT-2015-G2/2016-G2, please check this model from Posiflex Global Website.