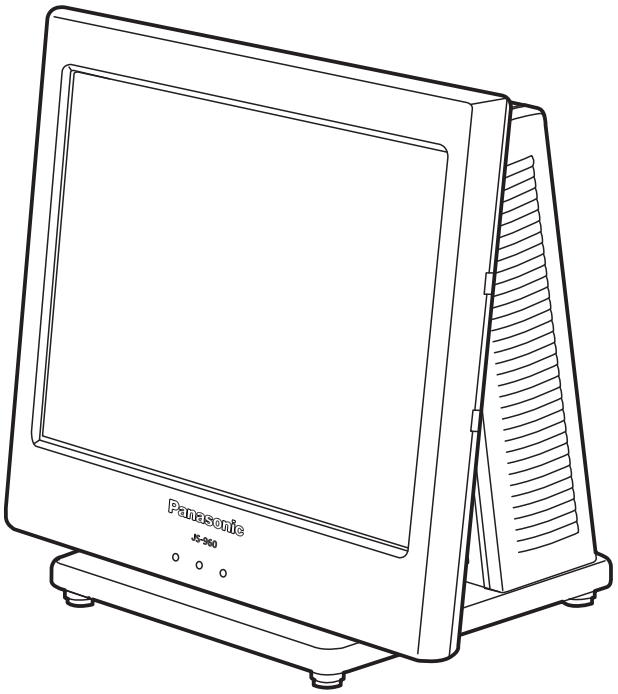
Panasonic®

English
Deutsch
Français
Español
Русский
한국어
臺灣

Operating Instructions

POS Workstation

Model No. JS-960WS Series



JS-960WS0R50

Before operating this product, please read the instructions carefully and save this manual for future use.

For USA

For USA

Federal Communications Commission Radio Frequency Interference Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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.

This unit must be connected to a grounded power outlet.

Battery

This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material-special handling may apply.
See www.dtsc.ca.gov/hazardouswaste/Perchlorate.

For CANADA

For CANADA
This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

This unit must be connected to a grounded power outlet.

Cette unité doit être branchée sur une prise de courant mise à la terre.

For EU

English

Warning :
This is a class A product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

This unit must be connected to a grounded power outlet.

Deutsch [German]

Warnung :
Dies ist ein Produkt der Klasse A. Wenn im Heim betrieben, kann das Produkt Hochfrequenzstörungen verursachen, gegen die der Benutzer u.U. geeignete Maßnahmen treffen muss.

Dieses Gerät muss an eine vorschriftsmäßig geerdete Netzsteckdose angeschlossen werden.

Français [French]

Avertissement :
Il s'agit d'un produit de classe A. Dans un environnement privé, ce produit risque de créer des interférences radio auquel cas des mesures correctives adéquates peuvent être exigées de la part de l'utilisateur.

Cette unité doit être branchée sur une prise de courant mise à la terre.

Česky [Czech]

Upozornění :
Toto je výrobek třídy A. Ve vnitřním prostředí může tento výrobek způsobovat rádiové rušení. V takovém případě může být požadováno, aby uživatel přijal příslušná opatření.

Dansk [Danish]

Advarsel :
Dette er et klasse-A produkt. I hjemmeomgivelser kan dette produkt forårsage radiostøj, i hvilket tilfælde brugeren kan være nødsaget til at træffe fyldestgørende forholdsregler.

Suomi [Finnish]

Varoitus :
Tämä on luokan A tuote. Kotiympäristössä tämä tuote saattaa aiheuttaa häiriöitä radiolähetyksiin, jolloin käyttäjän tulee kenties suorittaa asianmukaiset toimenpiteet.

Laite on liitettava suojamaadoituskoskettimilla varustettuun pistorasiaan.

For EU

Norsk [Norwegian]

Advarsel :
Dette er et klasse A produkt. Ved innendørs bruk kan dette produktet forårsake radiointerferens. I slike tilfeller kan det være nødvendig for brukeren å treffe nødvendige tiltak.

Apparatet ma tilkoples jordet stikkontakt.

Svenska [Swedish]

Varning :
Detta är en klass A produkt. I inomhusmiljö kan denna produkt orsaka radiostörningar. I sådant fall åligger det användaren att vidta lämpliga åtgärder.

Apparaten skall anslutas till jordat uttag.

Slovenčina [Slovak]

Upozornenie :
Toto je výrobok triedy A. Vo vnútornom prostredí môže tento výrobok spôsobovať rádiové rušenie. V takom prípade môže byť požadované, aby používateľ prijal príslušné opatrenia.

Italiano [Italian]

Attenzione :
Questo è un prodotto di classe A. In ambiente domestico, questo prodotto può causare interferenze radio, nel qual caso può essere necessario che l'utente adotti misure adeguate.

Español [Spanish]

Aviso :
Éste es un producto de clase A. En la instalación en una vivienda, este producto puede causar interferencias de radio, en cuyo caso puede resultar necesario que el usuario tome medidas pertinentes.

Esta unidad deberá conectarse a una toma de corriente conectada a tierra.

Nederlands [Dutch]

Waarschuwing :
Dit is een Klasse A product. In een huiselijke omgeving kan dit product radiostoring veroorzaken, in welk geval de gebruiker verplicht kan zijn afdoende tegenmaatregelen te nemen.

Português [Portuguese]

Advertência :
Este é um produto da classe A. Quando este produto for utilizado num ambiente doméstico, poderá provocar interferências radiofónicas e, neste caso, pode ser necessário que o utilizador tome as providências adequadas.

Importer’s name and address to follow EU rules:
Panasonic Testing Centre
Panasonic Marketing Europe GmbH
Winsbergring 15, 22525 Hamburg, F. R. Germany

For Arabic Countries

العربيـــــة [Arabic]

تحــذير :

المســـــتخدم علـى الحالـــــة هــذه مثــل وفــي راديـــوي تـــداخل يسـبب قـد المنتـــــج هــذا يسـبب قـد ،المحليـــــة الظــروف فـي ٠ أ نفص منتــج هــذا اتخـــاذ التـــــدابير اللازمـــــة٠

For Russia

Русский [Russian]

Предупреждение :
Это изделие класса A. В домашних условиях данное изделие может вызвать радиопомехи, что может требовать от пользователя принятия соответствующих мер.

Это устройство необходимо подсоединять к заземленной сетевой розетке.

For Korea

상호 또는 성명 : Panasonic Korea Ltd.(PKL)
기기의 명칭 : POS Workstation
기본모델명 : JS-960WS0M51/ JS-960WS0M53/ JS-960WP0M51
인증 번호 : KCC-REI-PKL-JS960
제조자/제조국가 : USI Electronics (Shenzhen) Co., Ltd./ China
제조날짜 : 본체 밑면의 시리얼 번호를 참조하시기 바랍니다.
yymXXXXXX
yy: 년도 표시 (yy means year) (2011 = 11, 2012 = 12,.....)
m: 월 표시 (m means month)
A: 1 월 B: 2 월 C: 3 월 D: 4 월 E: 5 월 F: 6 월
H: 7 월 J: 8 월 K: 9 월 L: 10 월 M: 11 월 N: 12 월

주의사항
이 기기는 업무용으로 전자파적합등록을 한 기기이오니 판매자 또는 사용자는 이 점을 주의하시기 바라며 만약 잘못 판매 또는 구입하였을 때에는 가정용으로 교환하시기 바랍니다.

본 장치는 접지된 전원 콘센트에 연결해야 합니다.

For Taiwan

甲類
此設備經測試證明符號 BSMI（經濟部標準檢驗局）之甲類數位裝置的限制規定。這些限制的目的是爲了在商業環境中使用此設備時，能提供合理的保護以防止有害的干擾。此設備會產生、使用並散發射頻能量：如果未導照製造廠商的指導手冊來安裝和使用，可能會干擾無線電通訊。請勿在住宅區使用此設備。

警告使用者：
這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種情況下，使用者會被要求采取某些適當的對策。

本機必須連接至接地的電源插座。

安全：電池處理

警告：新電池安裝不正解會有爆炸的危險。更換電池時，請僅使用相同或製造商建議的同等類型電池。請勿將廢棄電池丟棄於一般垃圾中。請聯絡當地廢棄物處理機構以獲取有關最近的廢棄電池存放站的地址。

您的電腦使用鋰幣電池。鋰幣電池爲長效用電池，很有可能您永遠都不需要更換它。然而，如果確實需要更換，請參閱您的電腦說明文件。
請勿將廢棄電池丟棄於一般垃圾中。請聯絡當地廢棄物處理機構以獲取有關最近的廢棄電池存放站的地址。

安全：電池聲明（台灣）

廢電池請回收

For Taiwan

商品名稱	：收銀機
型號	：JS-960WS, JS-960WS0M51, JS-960WS0M53, JS-960WS0R50, JS-960WS0R51
額定電源	：100-240 V ～ / 2.3 A 50/60 Hz
進口商	：台松電器販賣股份有限公司
聯絡地址	：新北市中和區員山路579號
電話	：(02)2227-6100
製造或委製廠商	：松下系統網絡科技株式會社 日本 福岡
生產地	：中國大陸
製造年份及製造號碼	：请参照实体底面的串行号码 yymXXXXXX yy: 年度表示 (yy means year) (2011 = 11, 2012 = 12,.....) m: 月表示 (m means month) A: 1月 B: 2月 C: 3月 D: 4月 E: 5月 F: 6月 H: 7月 J: 8月 K: 9月 L: 10月 M: 11月 N: 12月

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Read Me First

■ Introduction

Thank you for purchasing the **JS-960WS** series Panasonic POS Workstation.
This manual describes the instructions for the POS Workstation.
Please read this manual carefully before using this product.

List of models

Model No.	Display	Style	Touch Panel	CPU	Magnetic Stripe Reader	Rear Display
JS-960WSUM51	15 inch LCD	Upright	Capacitive	Intel® Celeron® P4500 1.86 GHz	—	—
JS-960WSUM61	15 inch LCD	Upright	Capacitive	Intel® Core™ i5 520 M 2.4 GHz	—	—
JS-960WSUR50	15 inch LCD	Upright	Resistive	Intel® Celeron® P4500 1.86 GHz	—	—
JS-960WSUR51	15 inch LCD	Upright	Resistive	Intel® Celeron® P4500 1.86 GHz	12.1 inch (Short Type) (ISO, Dark)	—
JS-960WSUC50	15 inch LCD	Upright	Capacitive	Intel® Celeron® P4500 1.86 GHz	—	—
JS-960WSUC51	15 inch LCD	Upright	Capacitive	Intel® Celeron® P4500 1.86 GHz	12.1 inch (Short Type) (ISO, Dark)	—
JS-960WS0M51	15 inch LCD	Upright	Capacitive	Intel® Celeron® P4500 1.86 GHz	15 inch (Long Type) (ISO, Dark)	Yes

Model No.	Display	Style	Touch Panel	CPU	Magnetic Stripe Reader	Rear Display
JS-960WS0M53	15 inch LCD	Upright	Capacitive	Intel® Celeron® P4500 1.86 GHz	15 inch (Long Type) (ISO, Dark)	—
JS-960WS0R50	15 inch LCD	Upright	Resistive	Intel® Celeron® P4500 1.86 GHz	—	—
JS-960WS0R51	15 inch LCD	Upright	Resistive	Intel® Celeron® P4500 1.86 GHz	12.1 inch (Short Type) (ISO, Dark)	—

- Celeron and Intel Core are trademarks of Intel Corporation in the U.S. and/or other countries.

Read Me First

List of optional accessories

Unit	Name	Model No.	Remarks
ID Module Unit	MSR Unit	JS-960MG-010	Magnetic Stripe Reader Module (Short Type)
		JS-960MG-020	Magnetic Stripe Reader Module (Long Type)
	Fingerprint Sensor Kit	JS-960FPK010	Fingerprint Sensor Kit
Rear Display Unit	Rear Display Unit	JS-960RD-010	Rear Display Module 2 Line
		JS-960RD-020	Rear Display Module 2 Line (VESA Type)
	2nd Display Unit	JS-960SD-010	2nd Display Module
		JS-960SDB010	2nd Display Monitor Bracket
AC Cord Kit	AC Cord Kit	JS-950KT-UH0	AC Cord Kit UH
		JS-950KT-UM0	AC Cord Kit UM
		JS-950KT-F10	AC Cord Kit F
		JS-950KT-K10	AC Cord Kit K
		JS-950KT-W10	AC Cord Kit W
		JS-950KT-Z10	AC Cord Kit Z
		JS-950KT-A25	AC Cord Kit A
		JS-950KT-E25	AC Cord Kit E

Disclaimer of Warranty

IN NO EVENT SHALL Panasonic System Networks Co., Ltd. BE LIABLE TO ANY PARTY OR ANY PERSON, EXCEPT FOR REPLACEMENT OR REASONABLE MAINTENANCE OF THE PRODUCT, FOR THE CASES, INCLUDING BUT NOT LIMITED TO BELOW:

- ANY DAMAGE AND LOSS, INCLUDING WITHOUT LIMITATION, DIRECT OR INDIRECT, SPECIAL, CONSEQUENTIAL OR EXEMPLARY, ARISING OUT OF RELATING TO THE PRODUCT;
- PERSONAL INJURY OR ANY DAMAGE CAUSED BY INAPPROPRIATE USE OR NEGLIGENT OPERATION OF THE USER;
- UNAUTHORIZED DISASSEMBLE, REPAIR OR MODIFICATION OF THE PRODUCT BY THE USER;
- LOSS OF REGISTERED DATA BY ANY FAILURE.

Safety Precautions

■ POS Workstation: JS-960WS series

IMPORTANT
Install a socket outlet adjacent to the equipment so that it will be easily accessible.

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

Avoid radio frequency interference
Do not place the POS Workstation near a television or radio receiver.

Avoid stacking
Do not place heavy objects on the POS Workstation.

Keep small objects away
Do not insert paper clips or other small objects into POS Workstation.
There is the risk of heat, fire or explosion.

Keep dry
There is the risk of heat, fire or explosion.

Do not disassemble the POS Workstation
Do not attempt to disassemble the POS Workstation. There is the risk of heat, fire or explosion.

Do not touch the plug with wet hands
There is the risk of electric shock.

Be certain to plug fully into the outlet
There is the risk of electric shock or fire.

Unplug this unit from power outlets if it emits smoke, an abnormal smell or makes unusual noise.
These conditions can cause fire or electric shock. Confirm that smoke has stopped and contact an authorized service center.

When unplugging, make sure to hold the body of the plug
If the power cord or outlet is damaged, there is a risk of electric shock, short circuit or fire.

Do not use a damaged power cord or plug
There is the risk of electric shock or fire.

Do not use the provided power cord for anything other than the POS Workstation.
There is the risk of electric shock or fire.

Clean the dust off the plug, periodically
There is the risk of heat or fire.

Do not use with any other battery
Please use the specified battery.
CAUTION: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions and local requirements.

Do not touch the power-cord or plug during a storm
There is the risk of electric shock or fire.

Do not use the POS Workstation outdoors
This product assumes the indoor use. There is the risk of breakdown.

Do not put the POS Workstation on a slope or an unstable place
This can cause damage to the unit or injury by falling.

Note:
- Do not open the rear cover and the filter cover while the POS Workstation is operating.

Precautions for Use

Attention for capacitive touch screen

- Do not touch it by finger nail, because capacitive touch screen can not recognize it. Touch it by finger tip.
- Do not touch it during startup. It initializes touch screen during startup. If it is touched during startup, touch screen is not initialized correctly.
- Be careful to not accidentally touch around display edges or press on display bezel as it can negatively affect display touch sensor accuracy.
- Touch screen calibration can be affected by atmospheric change. In case of calibration shifted, perform a calibration adjustment.
- Adequacy of touch screen reaction-time or sensitivity may vary by operator. Display sensitivity can be adjusted by executing a display sensitivity adjustment program.*
- Capacitive touch-screen panel uses radio frequency to detect finger tip touch. Terminals are configured to use different frequencies to avoid conflict in the event of two or more terminals operating within 1.5 m (approx. 5') of each other. In the event of conflict ('ghost' or inexplicable touch-screen reaction(s)), shutdown and reboot the terminal to reselect touch screen frequency.

* Inquire to the supplier about the display sensitivity adjustment program.

Carrying/moving terminals

- Do not lift or carry the terminal by holding the display unit. Lift and carry the terminal by securely holding the stand unit from the bottom, with two hands.

Removing the cable cover

- Once the cable cover has been removed, do not place your fingers between the main unit and stand unit. Injury may occur.

Display angle adjustment

- Adjust the display angle while the cable cover is still attached.
- Take care not to place the fingers between the main unit and the stand unit when the angle of display is adjusted. Injury may occur. Adjust the display tilt-angle with two hands placed on outside, bezel edges of the display unit.

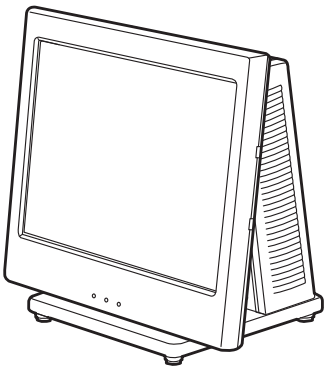
Be sure to remove this product if it is not in use.

Confirmation of Accessories

Before using, check the following accessories.

- In case some items are missing, contact your dealer.

■ Main Body



■ Screw

■ Clamper

■ AC Cord (JS-950KT-UM0)

- This is supplied together with the models which have the following model numbers: JS-960WSUM51, JS-960WSUM61.

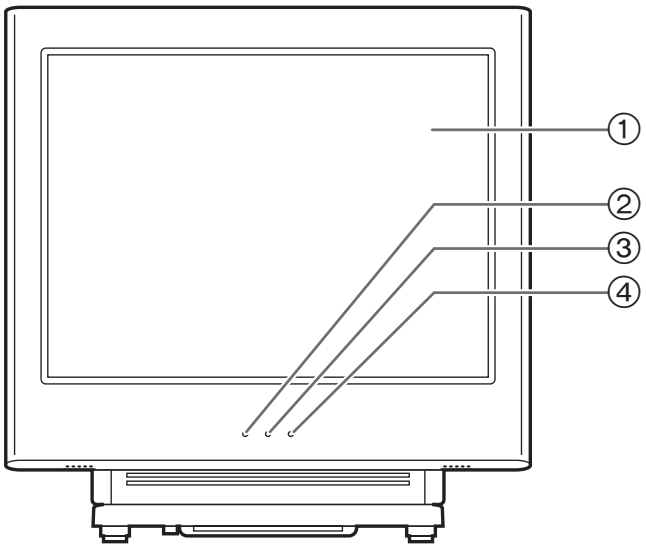
■ AC Cord (JS-950KT-UH0)

- This is supplied together with the models which have the following model numbers: JS-960WSUR50, JS-960WSUR51, JS-960WSUC50, JS-960WSUC51.

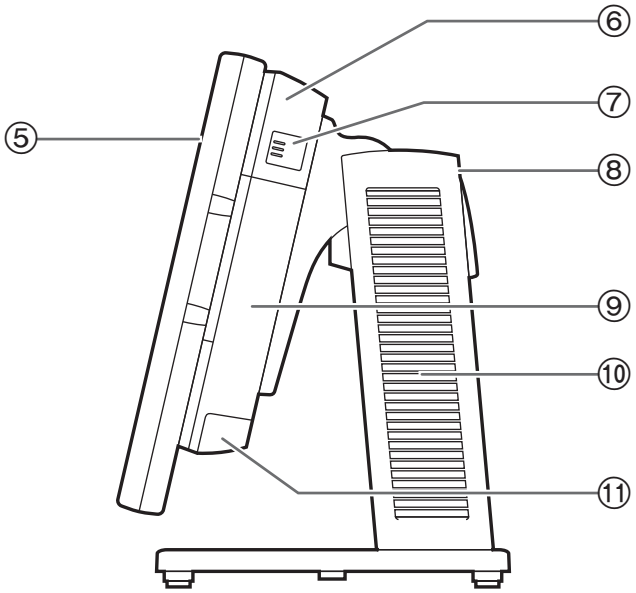
- An AC cord is not supplied together with the models which have the following model numbers:
  JS-960WS0M51, JS-960WS0M53, JS-960WS0R50, JS-960WS0R51.

Names of Parts and Their Functions

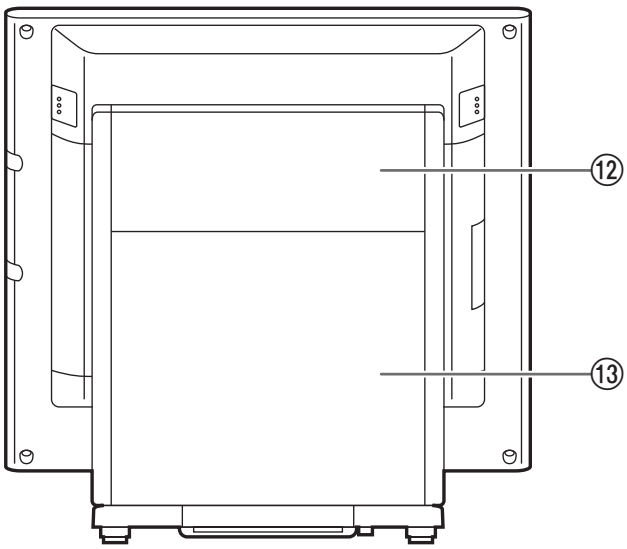
■ Front



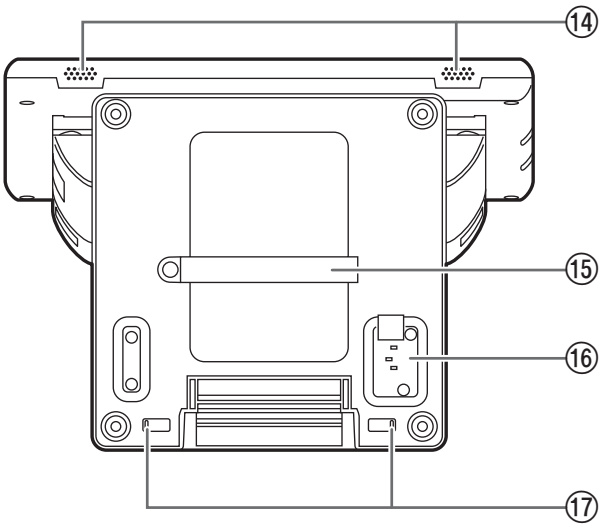
■ Right side



■ Rear



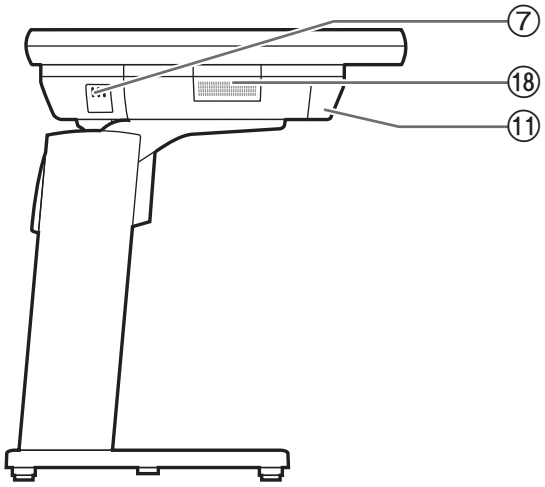
■ Bottom



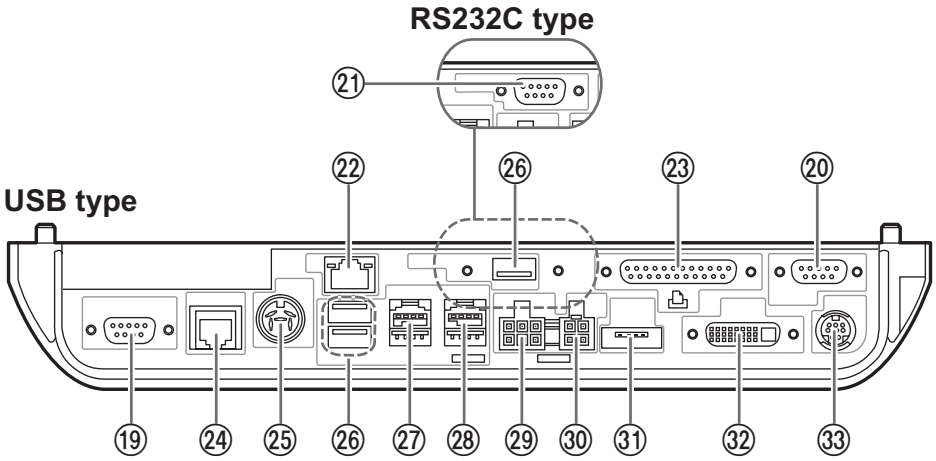
No.	Name	Functions
①	**Operator's Display**	Used for displaying information such as operation methods. ● The information to be displayed can be set using application software. This display can be used also as a touch panel for input operation.
②	**Power Status LED**	Lights yellow or green: Operating Lights red: Power off Flashes yellow or green: Standby Flashes red: Suspended
③	**LAN Status LED**	Flashes yellow or green: Communicating
④	**HDD Status LED**	Flashes yellow or green: Accessing HDD
⑤	**Display Unit**	The unit which includes the operator's display.
⑥	**Cable Cover**	Cover of the cables for connecting the main unit and the display unit.
⑦	**Cable Cover Release Button**	Push when remove the cable cover.
⑧	**Side Cover**	Cover of the side of the stand unit. Open when installing the storage unit.
⑨	**Main Unit**	This unit contains the I/O port and the storage unit.
⑩	**Stand Unit**	This unit can be attached the following units; such as storage unit, rear display unit, 2nd display unit and ID module unit.
⑪	**Thumbscrew Cover**	Cover of the thumbscrews which fix the display unit.
⑫	**Rear Cover**	Cover of the rear part of the stand unit. Open when installing the 2nd display unit or the rear display unit.
⑬	**POP Holder**	Used for POP advertising holder.
⑭	**Speaker**	Used for playing sound.
⑮	**Cable Clamp**	Used for tying the cables.
⑯	**AC Inlet**	Connect the AC cord.
⑰	**Rear Cover Lock Lever**	Used for releasing the rear cover.

Names of Parts and Their Functions

■ Left side (At the horizontal position of the display unit)

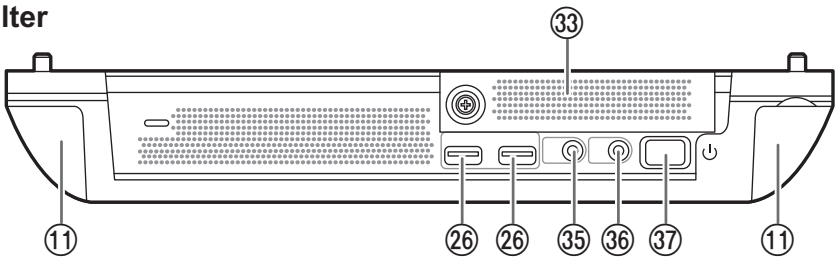


■ Display unit (Top, without the cable cover)

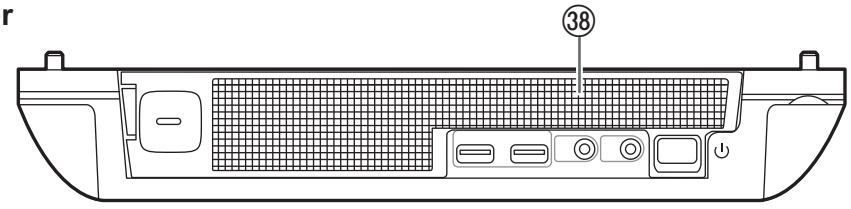


■ Display unit (Bottom)

Without filter



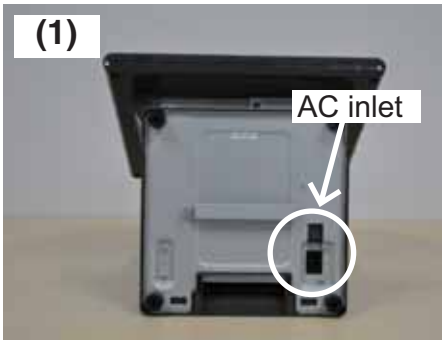
With filter



No.	Name	Functions
⑱	**Vent**	Used for outtaking the cooling air.
⑲	**Serial Port 1**	Used for connecting a serial device.
⑳	**Serial Port 2**	
㉑	**Serial Port 3**	
㉒	**LAN Port**	Used for connecting a LAN cable.
㉓	**Parallel Port**	Used for connecting a parallel device.
㉔	**Cash Drawer Port 1**	Used for connecting a cash drawer.
㉕	**Cash Drawer Port 3**	
㉖	**USB Port**	Used for connecting a USB device.
㉗	**USB Port (12V)**	
㉘	**USB Port (24V)**	
㉙	**DC Input**	Used for DC input.
㉚	**HDD Power**	Used for connecting HDD power cable.
㉛	**eSATA Port**	Used for connecting HDD (eSATA).
㉜	**DVI-I Port**	Used for connecting DVI-I device.
㉝	**Rear Display Port**	Used for connecting the rear display.
㉞	**HDD Cover**	Open when installing the storage unit in the display unit.
㉟	**Audio OUT**	Used for connecting an audio device.
㊱	**MIC IN**	Used for connecting a microphone.
㊲	**Power Switch**	Turns on/off the power.
㊳	**Filter**	Used for filtering air.

AC Cord Kit Installation

(1) Carefully lay the main body on a clear, flat surface.
(2) Unpack the AC cord, and then connect it to AC inlet.
(3) Fit the cord clamp to AC cord, and fix it by a screw (M3 x P0.7).
(4) Carefully replace the main body in upright position.



Note:
- Select 1 type of clamper according to diameter of AC cord.
- Confirm the AC cord doesn't move after fixing the AC cord with the clamper.

Model No. of AC cord	Clamper type (Internal diameter)	Model No. of AC cord	Clamper type (Internal diameter)
JS-950KT-UH0	ø5.6	JS-950KT-W10	ø6.9
JS-950KT-UM0	ø6.9	JS-950KT-Z10	ø6.9
JS-950KT-F10	ø6.9	JS-950KT-A25	ø6.9
JS-950KT-K10	ø6.9	JS-950KT-E25	ø6.9

Turning the Power On and Off

■ How to turn the power on

(1) Press the power switch.
- The power status LED will light up in green.

■ How to turn the power off

***Be sure to save required data and close all application software before turning off the power. To protect data in case of a power failure, use a power backup device such as an uninterruptible power supply (UPS).**

(1) Press the power switch.
- The power status LED will light up in red.

Display Unit Replacement

Be sure to disconnect the power cable of the main block (POS Workstation) and confirm the power is "OFF" before the operation below.

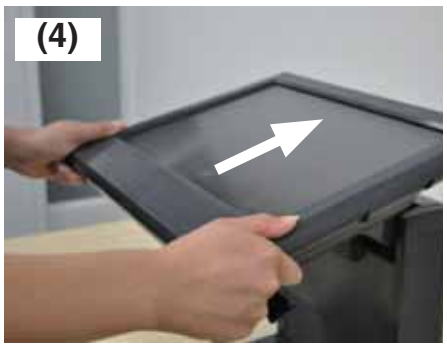
(1) Raise the display unit to its highest position, and then, while pressing the cable cover release buttons on both sides of the cable cover, lift up the cable cover with both hands.

(2) Open the screw covers (2 locations) of the main unit.

(3) Loosen the 2 thumbscrews securing the display unit.
- Loosen the thumbscrews until they are extended by their springs.
- If you continue to loosen the thumbscrews further after they are extended, they could become detached. Make sure not to detach them.

(4) Hold the both sides of the display unit and pull out the unit slowly.

(5) Hold the new display unit with both hands and insert the connector section of the display unit into the connector inlet guide of the main unit slowly to connect the connector.
- When the connector section is connected, do not press the LCD surface of the display unit.
  (Failure to observe this may result in damage to functions of the LCD or touch panel.)



(6) Tighten the 2 thumbscrews of the main unit by hand to secure the display unit.
- Be sure to use hand when tightening the thumbscrews.
- Make sure that no looseness is detected when trying to move the display unit.

(7) Close the thumbscrew covers of the main unit, raise the display unit to its highest position, and reattach the cable cover.

Storage Unit Installation (Main Unit)

Be sure to disconnect the power cable of the main block (POS Workstation) and confirm the power is "OFF" before the operation below.

***Make sure to ground the unit before starting this work.**

(1) Follow steps (1) to (4) in "Display Unit Replacement" to remove the display unit.

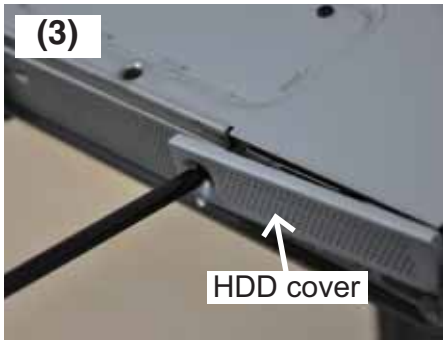
(2) Grasp the tab on the left side of the filter and pull it towards you to remove the filter.
- Do not use excessive force to open the filter.
- There is also a hook in the center, so pull the filter gently towards you.

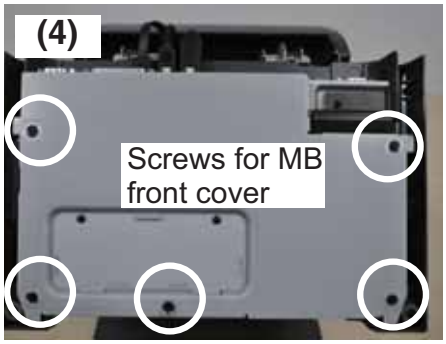
(3) Remove the screw (1 piece) that secures the HDD cover, and then remove the HDD cover.

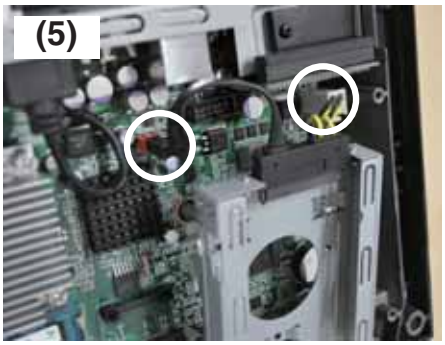
(4) Remove the 5 screws that secure the MB front cover, and then remove the MB front cover.

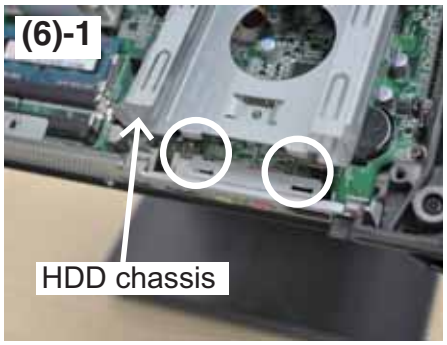
(5) Connect the HDD cable's SATA connector and the power connector to the control board.

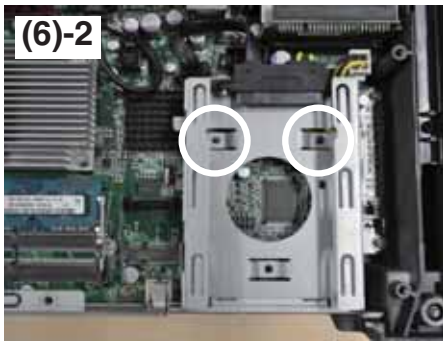
(6) Insert the tabs of the HDD chassis (2 locations) into the square holes at the front side of the IO panel, align the bosses of the MB main cover (2 locations) with the holes in the HDD chassis, and attach the cover.











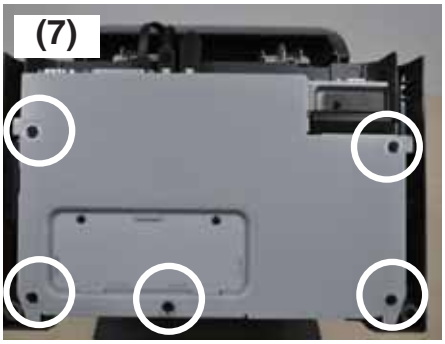
(7) Put on the MB front cover, and secure the MB front cover with the 5 screws.

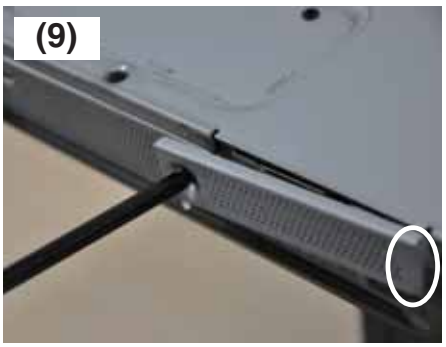
(8) Slowly insert a new storage unit into the main unit and connect the connector of the main unit with the connector of the storage unit.

- Make sure that the eject lever of the storage unit is in the open position before inserting the new storage unit.
- Push the center of the storage unit all the way in, and return the eject lever to its original position to secure the storage unit.

(9) Insert the right side tab of the HDD cover, and secure it with the screw.

(10) Follow steps (5) to (7) in “Display Unit Replacement” to reattach the display unit.





Storage Unit Replacement (Stand Unit)

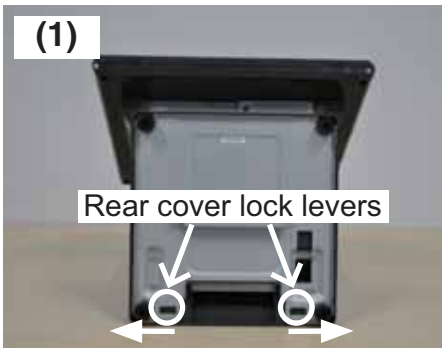
Be sure to disconnect the power cable of the main block (POS Workstation) and confirm the power is "OFF" before the operation below.

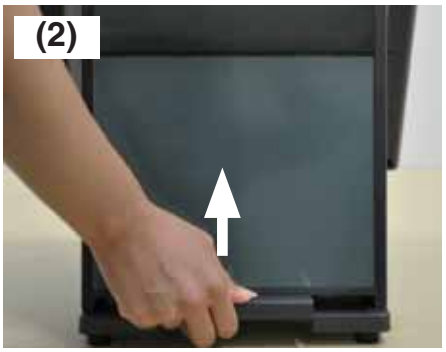
(1) Carefully place the main body on a level surface, and then slide the rear cover lock levers on the bottom of the main body (2 locations) towards the outside.

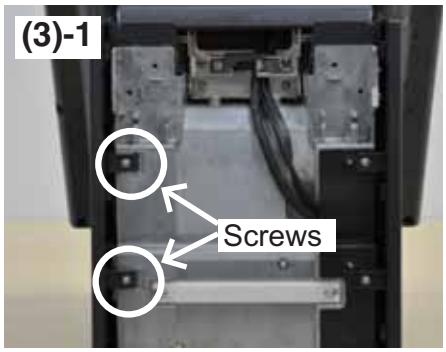
(2) Slowly return the main body, lift up the underside of the rear cover, and remove the rear cover.

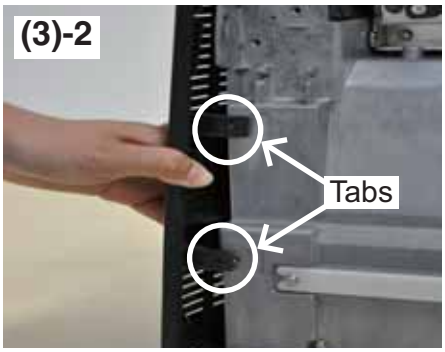
(3) Remove the 2 screws that secure the right side cover, and then release the right side cover tabs (2 locations). In this condition, open by removing the right side cover completely.

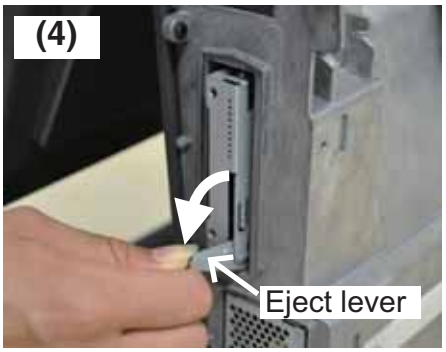
(4) Pull down the storage unit eject lever, and remove the storage unit.











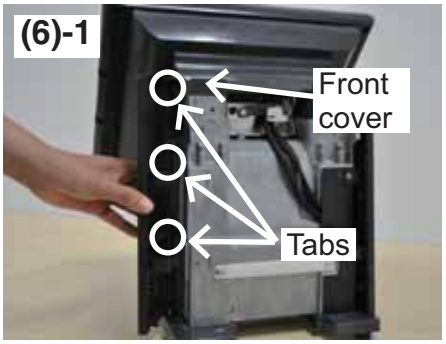
(5) Open the eject lever of the new storage unit. Pull down the eject lever, insert it completely into the HDD slot, and then pull up the eject lever.

(6) Align the right side cover with the tabs on the front cover (3 locations), and turn the right side cover to close it. Then secure the right side cover with the 2 screws that were removed in step (3).

- Make sure that the tabs of the front cover (3 locations) and the tabs of the right side cover (2 locations) removed in step (3) are firmly locked into place.

(7) While pressing part ❶ of the rear cover towards the main body, press part ❷ downwards.

(8) Carefully place the main body on a level surface, and then slide the rear cover lock levers on the bottom of the main body (2 locations) towards the inside. Slowly return the main body to its original state.



Rear Display Unit Installation

Be sure to disconnect the power cable of the main block (POS Workstation) and confirm the power is "OFF" before the operation below.

Rear display unit (JS-960RD-010) contents

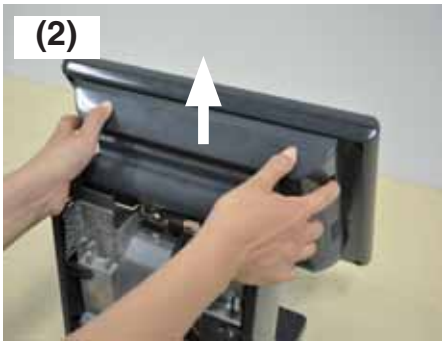
Rear display x 1

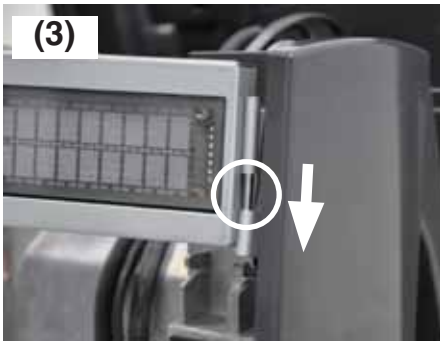
(1) Follow steps (1) and (2) of "Storage Unit Replacement (Stand Unit)" to remove the rear cover.

(2) While pushing in the cable cover release button, slide the cable cover with both hands to remove it.

(3) Insert the shaft of the rear display hinge part into the hole in the hinge plate attached to the main block.

(4) Push the rear display latch hook in until it clicks to lock it into place.



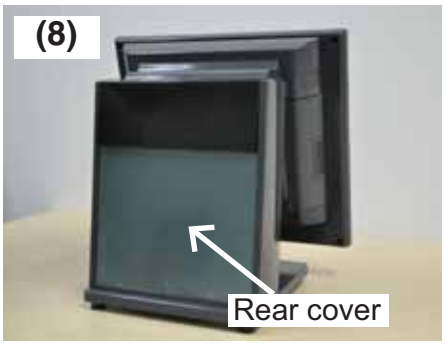


(5) Connect the cable to the RD OUT connector of the main unit.
- Arrange the cable inside the cable guide of the hinge part.

(6) Push firmly on the cable cover with both hands until it clicks to lock it into place.

(7) Cut off the sponge cover on the backside of the rear cover.

(8) Follow steps (7) and (8) of “Storage Unit Replacement (Stand Unit)” to reattach the rear cover.



2nd Display Unit Installation

Be sure to disconnect the power cable of the main block (POS Workstation) and confirm the power is "OFF" before the operation below.

*** The optional 2nd display bracket is required to install the 2nd display unit.**

2nd display unit (JS-960SD-010) contents

2nd display x 1

DVI cable x 1

DC cable x 1

2nd display bracket (JS-960SDB010) contents

Bracket cover x 1

Bracket set
large x 1, small x 2

Cable clamp set
large x 1, small x 1,
screw x 2

Large bracket screw
large x 4

Small bracket screw
small x 4

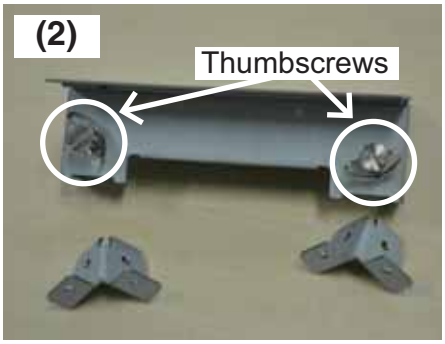
(1) Follow steps (1) and (2) of “Storage Unit Replacement (Stand Unit)” to remove the rear cover.

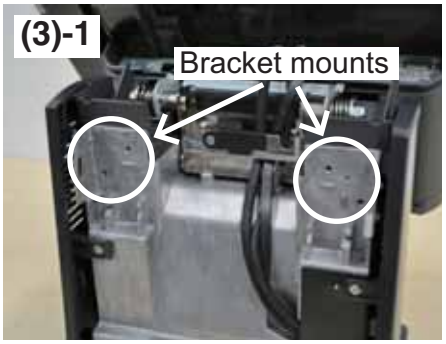
(2) Turn the bracket set thumbscrews to separate the bracket set into the large bracket and two small brackets.

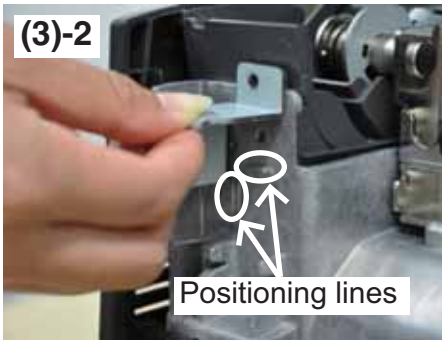
(3) Attach the small brackets to the bracket mounts on the stand frame (two locations on the right and left) using two small screws for each small bracket.
- Each small bracket can be attached to either the right or left bracket mounts.
- Align the L-shaped inside of the small brackets with the positioning lines on the stand frame.
- The screw tightening torque is 10 N•cm ±10 %.

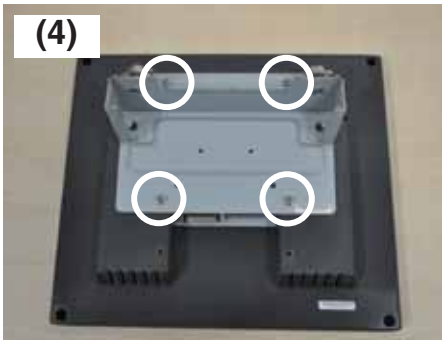
(4) Attach the large bracket to the 2nd display using the four large screws.
- The screw tightening torque is 10 N•cm ±10 %.

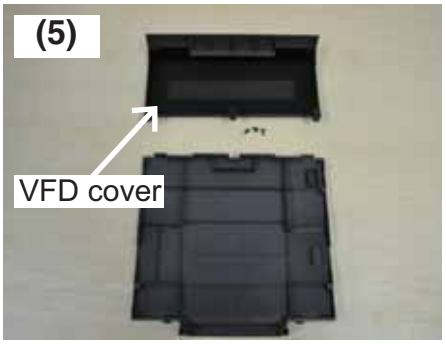
(5) Remove the three screws from the rear cover and remove the VFD cover.









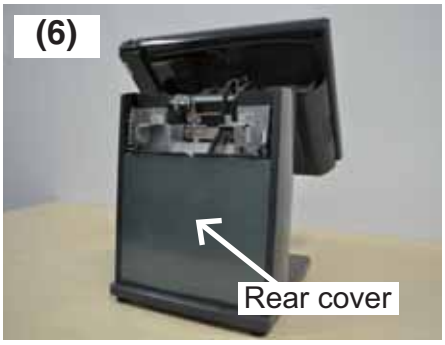


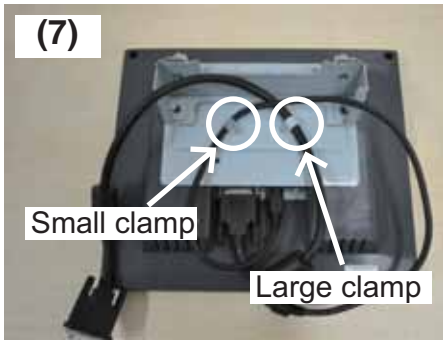
2nd Display Unit Installation

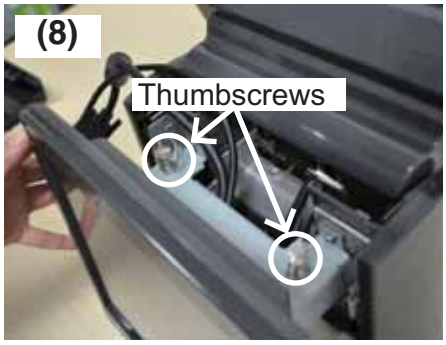
(6) Follow steps (7) and (8) of “Storage Unit Replacement (Stand Unit)” to reattach the rear cover.

(7) Fix the DVI cable to the large bracket using the large clamp, and fix the DC cable to the large bracket using the small clamp.
- Fix the cables so that they do not protrude from the 2nd display.

(8) Attach the large bracket installed on the 2nd display to the small brackets, and tighten the two thumbscrews to secure it.
- Be sure to tighten the thumbscrews by hand.
- Make sure that the 2nd display unit is firmly attached and there is no looseness.

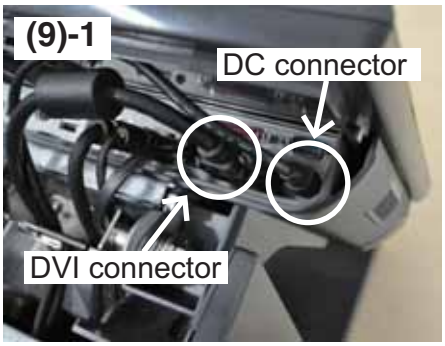






(9) Remove the cable cover, connect the cables to the DVI connector and DC connector of the main unit, and reattach the cable cover.
- Arrange the cables inside the hinge part cable guide.

(10) Insert the bracket cover between the stand unit and the 2nd display unit, and push it in until it clicks to lock it into place.



MSR Unit (Short Type) Installation

Be sure to disconnect the power cable of the main block (POS Workstation) and confirm the power is "OFF" before the operation below.

MSR unit (JS-960MG-010) contents

MSR unit x 1

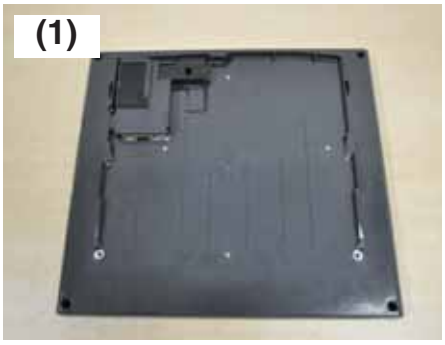
Joint x 1

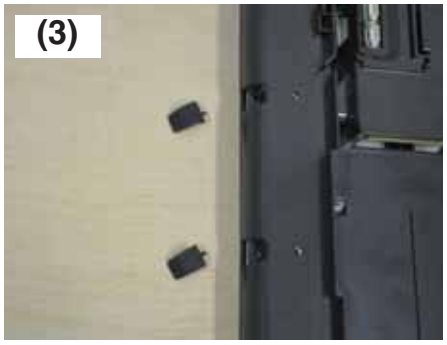
Screw
large x 2, small x 2

(1) Follow steps (1) to (4) of "Display Unit Replacement" to remove the display unit.

(2) Remove the MSR connector cover.

(3) Remove the protective cover.





(4) Connect the cable to the display unit and arrange the cable properly.
- Arrange the cable inside the display unit cable guide.

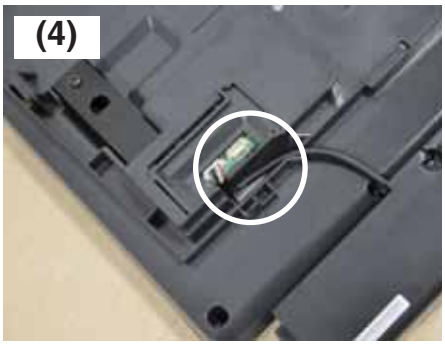
(5) Align the two screw holes of the MSR unit with the screw holes where the protective cover was removed, and fix the MSR unit with the two large screws.

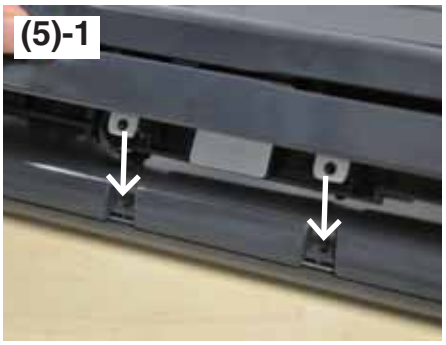
(6) Align the protrusions of the joint with the screw holes of the MSR unit, and fix the joint to the display unit using the two small screws.

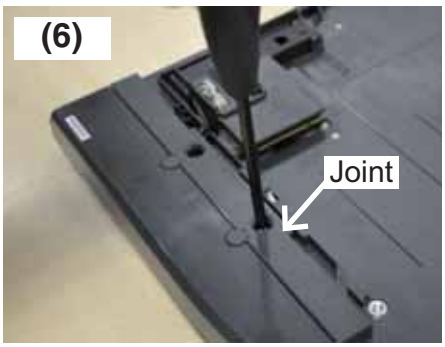
(7) Attach the MSR connector cover.

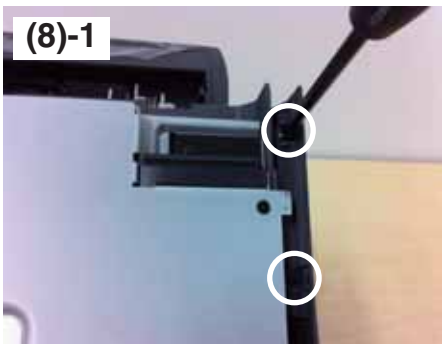
(8) Remove the 2 screws and detach the cable guide cover.

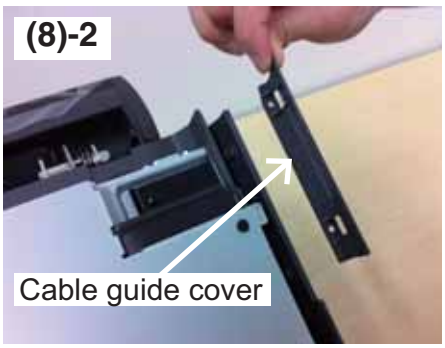
(9) Follow steps (5) to (7) of “Display Unit Replacement” to attach the display unit with the installed MSR unit.











MSR Unit (Long Type) Installation

Be sure to disconnect the power cable of the main block (POS Workstation) and confirm the power is "OFF" before the operation below.

MSR unit (JS-960MG-020) contents

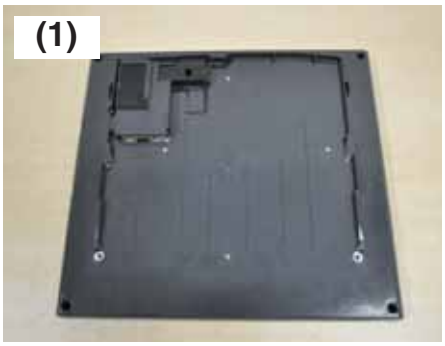
MSR unit x 1

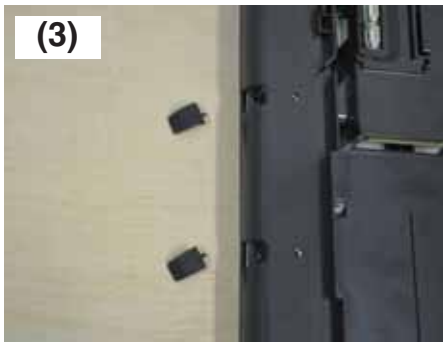
Screw x 2

(1) Follow steps (1) to (4) of "Display Unit Replacement" to remove the display unit.

(2) Remove the MSR connector cover.

(3) Remove the protective cover.





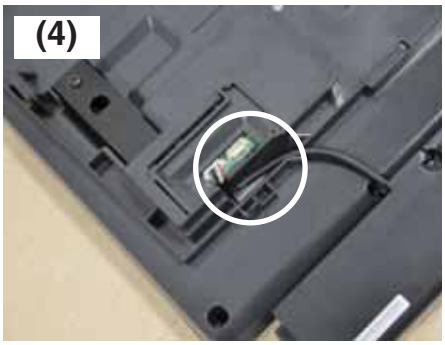
(4) Connect the cable to the display unit and arrange the cable properly.
- Arrange the cable inside the display unit cable guide.

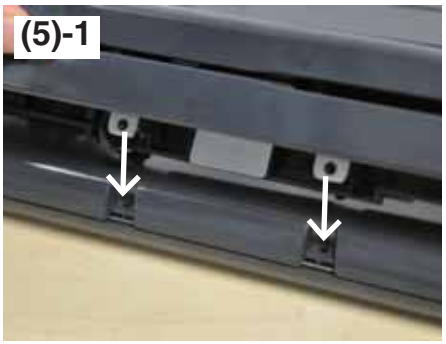
(5) Align the two screw holes of the MSR unit with the screw holes where the protective cover was removed, and fix the MSR unit with the two screws.

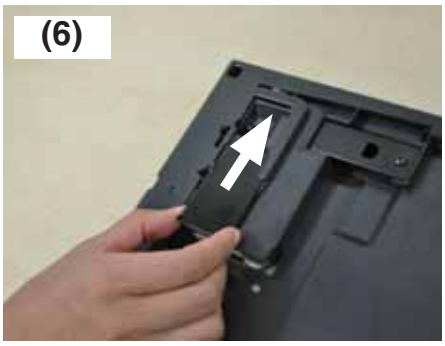
(6) Attach the MSR connector cover.

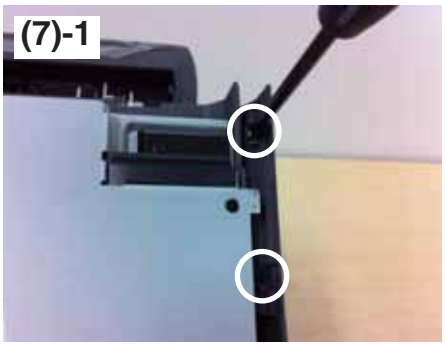
(7) Remove the 2 screws and detach the cable guide cover.

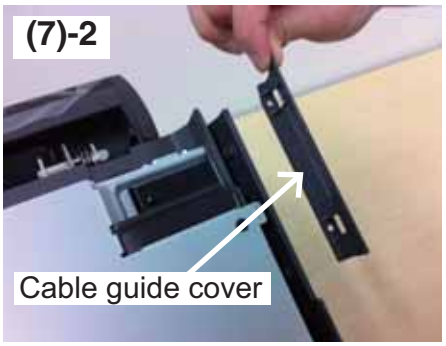
(8) Follow steps (5) to (7) of “Display Unit Replacement” to attach the display unit with the installed MSR unit.











Fingerprint Sensor Kit Installation

Be sure to disconnect the power cable of the main block (POS Workstation) and confirm the power is "OFF" before the operation below.

***Make sure to ground the unit before starting this work.**

Fingerprint Sensor Kit (JS-960FPK010) contents

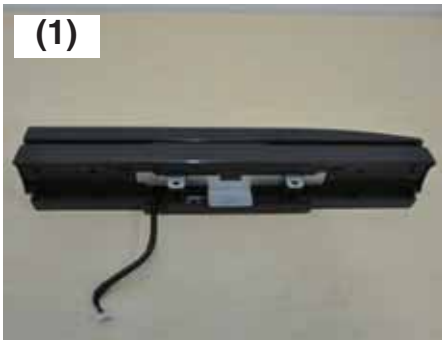
Fingerprint unit x 1

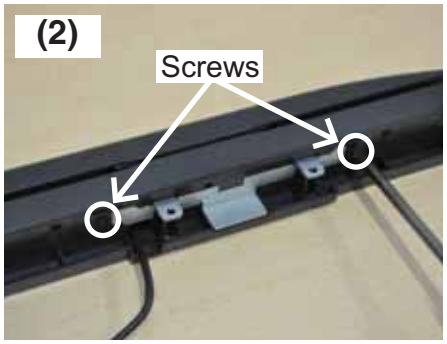
Bottom case x 1

Cable x 1

(1) Follow the steps for "MSR Unit (Short Type) Installation" in reverse, and remove the MSR unit from the display unit.

(2) Remove the screws (2 locations).



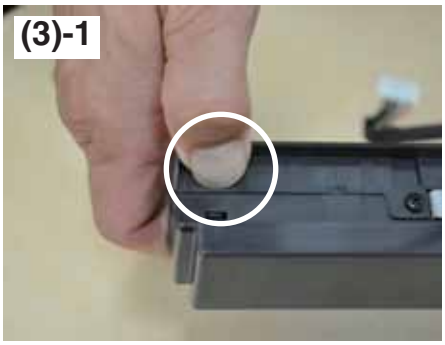


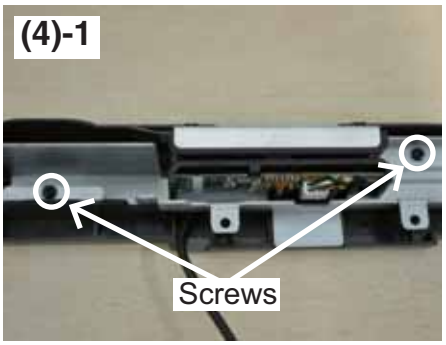
(3) While pressing the tabs (2 locations), remove the top case.
- Do not use excessive force to open the top case.

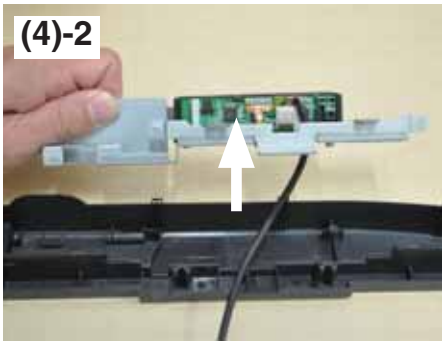
(4) Remove the screws (2 locations), and remove the inside component.

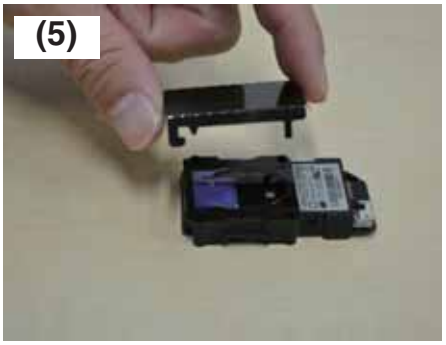
(5) Remove the black cover of the fingerprint unit.

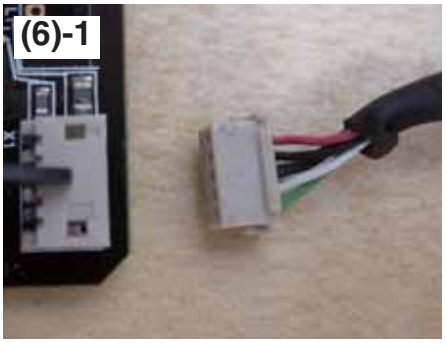
(6) Connect the cable to the fingerprint unit.
- While making sure that the connector is pointing in the correct direction, connect the cable.









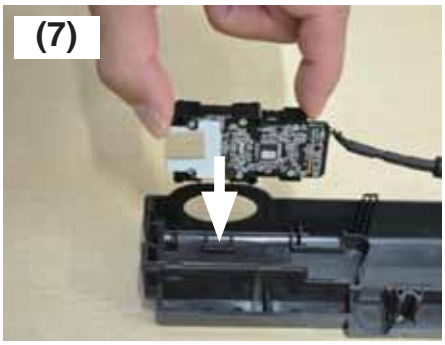


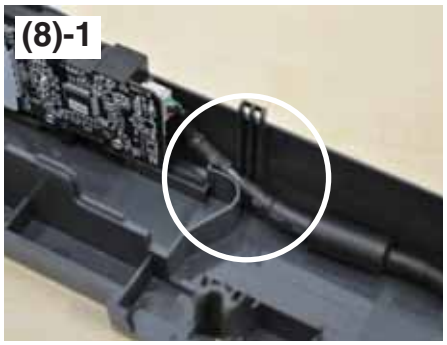
Fingerprint Sensor Kit Installation

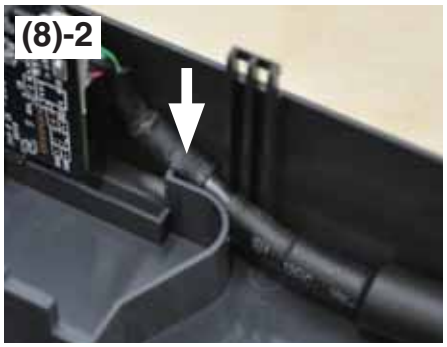
(7) Attach the fingerprint unit to the bottom case.
- Make sure that unit is attached at the correct position.

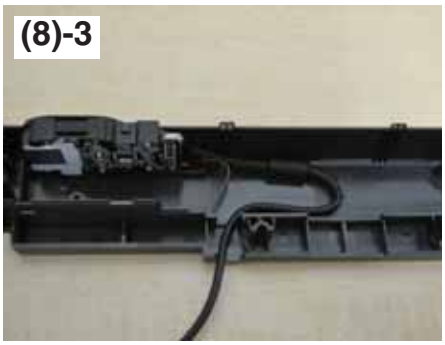
(8) Arrange the cable inside the cable guide of the bottom case.

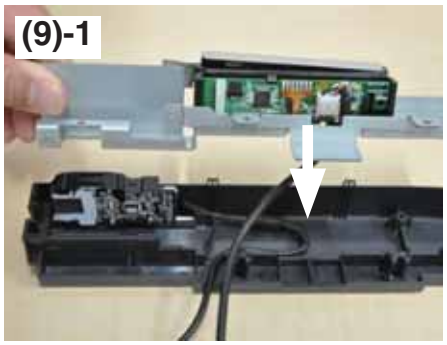
(9) Install the inside component which was removed in step (4), and secure it using the screws (2 locations).
- Take care not to pinch the cable.
- Attach the EMI cover in such a way that it is on the outside of the connector.

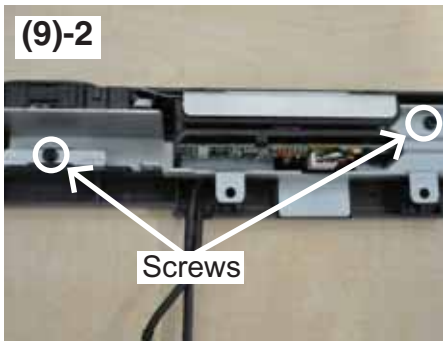


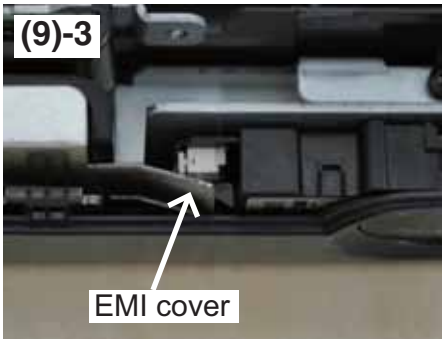








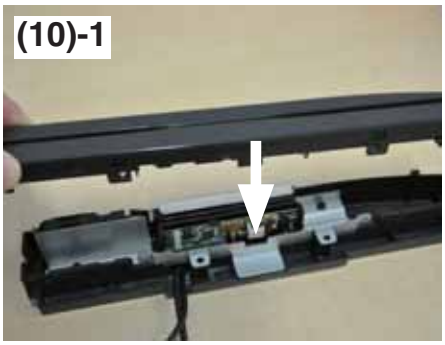


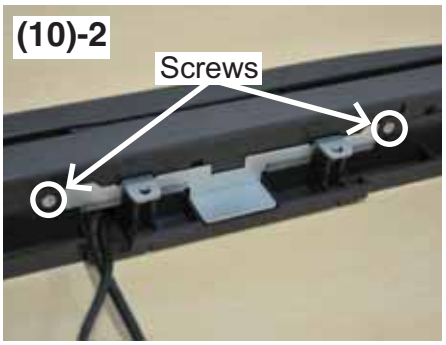


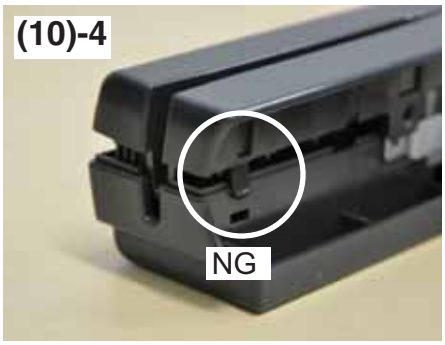
(10) Attach the top case, and secure it using the screws (2 locations).
- Make sure that the tabs of the top case are on the inside. If they are on the outside, they may be damaged.

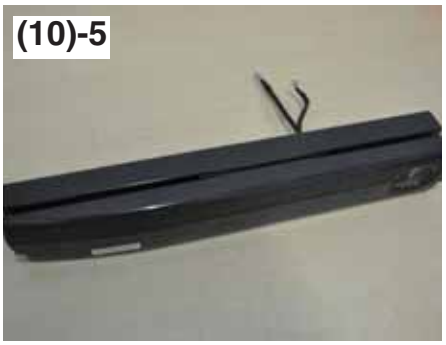
(11) Connect the cable to the display unit and arrange the cable properly.
- Arrange the cable inside the display unit cable guide.
- Connect the cable for the MSR unit and cable for the fingerprint unit to their respective designated positions.

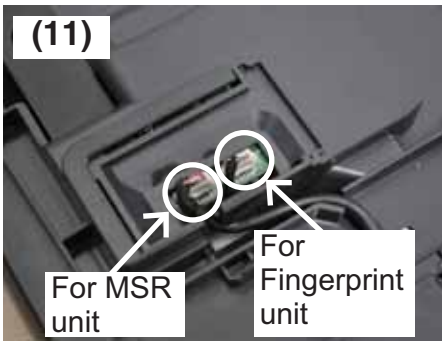
(12) Follow steps (5) and (8) of “MSR Unit (Short Type) Installation” to reattach the MSR unit.











Specifications

Item		Specifications
CPU		Intel® Celeron® P4500 1.86 GHz / Intel® Core™ i5-520M Processor 2.4 GHz
Chipset		Mobile Intel® QM57 Express / Mobile Intel® HM55 Express
Main Memory		Standard: 2 GB Maximum: 8 GB
LAN		1000BASE-T (Gigabit Ethernet), 100BASE-TX, 10BASE-T
LCD Display Touch Panel	Size	15 inch
	LCD Type	TFT Type LCD (LED backlight)
	Touch Panel Type	Resistive / Capacitive
Storage	Type	1 x 2.5 inch HDD
	Capacity	250 GB
	I/F	SATA
	RAID	Available (*1)
I/O Port	Powered USB	2 ports (12 V x 1 port, 24 V x 1 port)
	Standard USB	5 ports / 4 ports
	Serial	2 ports / 3 ports
	Parallel	1 port
	VGA	1 port (DVI-I)
	LAN	1 port (RJ-45)
	Audio	1 port (Line Out), 1 port (MIC In)
	Cash Drawer	2 ports (RJ-11 x 1 port, DIN 6 pin x 1 port)
Power Supply		AC 100 V-240 V, 50 Hz / 60 Hz, 2.3 A
Customer Display (Option)	2-Line Display	2-Line Customer Display (Option) (*2)
	2nd VGA Display	12.1 inch LCD (Option) (*2)
ID Device (Option)	Magnetic Card Reader	ISO Track1,2,3 or ISO Track1,2,3 + JIS II Track (Option)
	Fingerprint Reader	Available (*3)

Item		Specifications
Supported OS		Microsoft® Windows® XP SP3 Microsoft® Windows® XP Embedded Microsoft® Windows Vista® Microsoft® Window® 7 Microsoft® Windows® Embedded Standard 7 WEPOS 1.1 POSReady 2009 POSReady 7 Linux® kernel 2.6 Slackware Ver. 12.0
Environmental Condition	Operating Temperature	5 °C to 40 °C (41 °F to 104 °F)
	Operating Humidity	15 % RH to 85 % RH (no condensation)
	Storage Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
	Storage Humidity	10 % RH to 90 % RH
Power Consumption		1.4 W / 120 V, 2.2 W / 240 V (When power is OFF by the power switch)
Dimensions		364 mm (W) x 386 mm (D) x 413 mm (H) (14.3 in. (W) x 15.2 in. (D) x 16.3 in. (H))
Footprint		245 mm (W) x 245 mm (D) (9.6 in. (W) x 9.6 in. (D))
Weight		Approx. 10.3 kg (Approx. 22.7 lbs) (*4)

(*1) To setup RAID, Mobile Intel® QM57 Express Chipset is required. The 2nd HDD unit is option.
(*2) 2-line display and 2nd VGA display cannot be connected at the same time.
(*3) To attach Fingerprint Reader option device, Magnetic Card Reader option device is also required.
(*4) Option devices are not included.

Note:

- The devices which connect to 24 V I/O ports shall be UL certified product and have the fire enclosure. (Thermal printer: Epson Model M244A)

Trademarks and registered trademarks

- Microsoft, Windows and Windows Vista are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries.

Cleaning

- Regularly scheduled cleaning recommended.
- Immediately clear screen of any visible contaminants – dirt, dust, grease, etc.
- Wipe display gently with a dry, soft cloth to remove light dirt and dust.
- Do not wipe or press display hard, hit display or exert force on display as LCD in the display is breakable.
- Do not use liquid or spray chemical cleaners as they can damage touch screen.
- Do not leave rubber and vinyl product touched for a long time, because it will cause change color or change in quality.
- Do not apply benzine, thinner, glue, alkaline detergent, alcohols detergent, glass cleaner, wax, abrasive cleanser, detergent powder, or pesticide, because it will cause change color or change in quality. (Follow to the cautionary statement if chemical cloth is used.)

■ Cleaning of filter

Be sure to disconnect the power cable of the main block (POS Workstation) and confirm the power is “OFF” before the operation below.
The cleaning period is a guideline, and frequent cleaning is recommended.

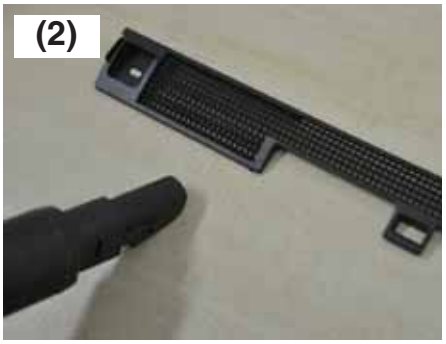
Filter

Removing and cleaning the filter

*** Clean the filter every two weeks following the procedure below.**

(1) Grasp the tab on the left side of the filter and pull it towards you.
- Do not use excessive force to open the filter.
- There is also a hook in the center, so pull the filter gently towards you.

(2) Remove any dust with a vacuum cleaner.
- Wipe away any dirt using a moistened firmly wrung-out cloth.
- Do not use a pot cleaner or scrubbing brush.



Installing the filter

(1) Insert the right side of the filter into the main unit.

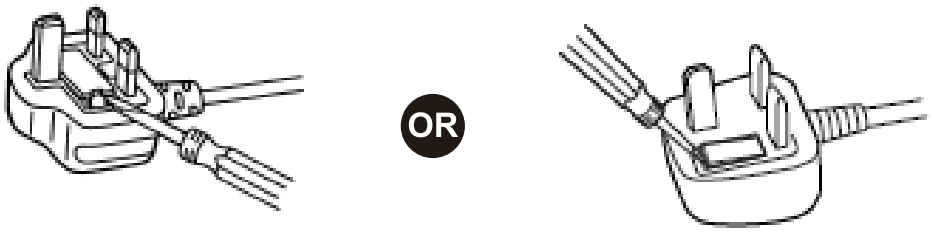
(2) Push in the tab on the left side of the filter until it clicks to lock it into place.

(3) Push firmly on the center of the filter to secure it.

Maintenance

How to replace the fuse

● Open the fuse compartment with a screwdriver and replace the fuse and fuse cover.



Troubleshooting

Symptom	Check items and solutions
Power does not turn on when the power switch is pressed.	● Is the AC cord connected? →Make sure that the AC cord is connected properly. ● Is the power status LED lit? →Make sure that the AC cord is connected properly.
The OS does not start up after power is turned on.	● Is there any peripheral device such as an USB memory connected? →Disconnect all peripheral devices such as an USB memory.

If a problem cannot be resolved even after checking and trying the solution given above, contact a service personnel.

Information for Users on Collection and Disposal of Old Equipment and used Batteries

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.
For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.
By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.
For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union
If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

[Information on Disposal in other Countries outside the European Union]
These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Note for the battery symbol (bottom two symbol examples):
This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

Memo

Specifications and manuals are subject to change without notice.

For U.S. and Canadian fields:

Panasonic Corporation of North America
Three Panasonic Way,Secaucus,New Jersey 07094 U.S.A.

Panasonic Canada Inc.
5770 Ambler Drive,Mississauga,Ontario,L4W 2T3 Canada

For Europian and other fields:

Panasonic System Networks Co., Ltd.
Web site: http://panasonic.net/

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