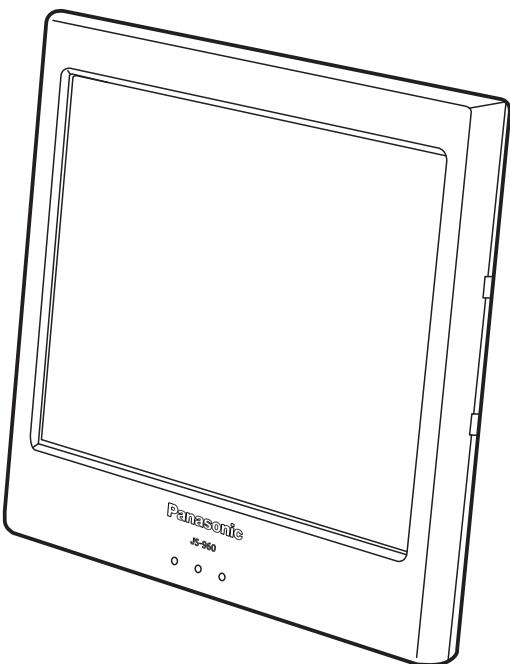


Panasonic®

Operating Instructions

POS Workstation

Model No. JS-960WP Series



JS-960WP0R50

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

English

Deutsch

Français

Español

Русский

한국어

臺灣

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 häiriötä radiolähetyksiin, jolloin käyttäjän tulee kenties suorittaa asianmukaiset toimenpiteet.

Laite on liitettava suojaamoiduskoskettimilla 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 må tilkoples jordet stikkontakt.

Svenska [Swedish]

Varngd :

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

العربية [Arabic]

تہذیب:

For Russia

Русский [Russian]

Предупреждение :

Это изделие класса А. 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シリ얼 번호를 참조하시기 바랍니다. yyymmXXXXXX yy: 년도 표시 (yy means year) (2011 = 11, 2012 = 12,.....) m: 월 표시 (m means month) A: 1월 B: 2월 C: 3월 D: 4월 E: 5월 F: 6월 H: 7월 J: 8월 K: 9월 L: 10월 M: 11월 N: 12월



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。這些限制的目的是為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，使用者會被要求採取某些適當的對策。

本機必須連接至接地的電源插座。

安全：電池處理



警告：新電池安裝不正確會有爆炸的危險。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。鋰幣電池為長效用電池，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-960WP, JS-960WP0M51, JS-960WPEM51,
 JS-960WP0M61, JS-960WP0R50, JS-960WP0R51
額 定 電 源 : 24 V---/ 6.67 A
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
 ymXXXXXX
 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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English

Read Me First

Introduction

Thank you for purchasing the **JS-960WP** 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-960WPUR50	15 inch LCD	VESA Panel	Resistive	Intel® Celeron® P4500 1.86 GHz	—	—
JS-960WPUC51	15 inch LCD	VESA Panel	Capacitive	Intel® Celeron® P4500 1.86 GHz	12.1 inch (Short Type) (ISO, Dark)	—
JS-960WPEM51	15 inch LCD	VESA Panel	Capacitive	Intel® Celeron® P4500 1.86 GHz	15 inch (Long Type) (ISO, White)	—
JS-960WP0M51	15 inch LCD	VESA Panel	Capacitive	Intel® Celeron® P4500 1.86 GHz	15 inch (Long Type) (ISO, Dark)	—
JS-960WP0M61	15 inch LCD	VESA Panel	Capacitive	Intel® Core™ i5 520 M 2.4 GHz	15 inch (Long Type) (ISO, Dark)	—
JS-960WP0R50	15 inch LCD	VESA Panel	Resistive	Intel® Celeron® P4500 1.86 GHz	—	—
JS-960WP0R51	15 inch LCD	VESA Panel	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.

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-020	Rear Display Module 2 Line (VESA Type)
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 NEGIGENT 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-960WP 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 and the AC adapter for anything other than the POS Workstation.

There is the risk of electric shock or fire.

Safety Precautions

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.

Select an installation area that can support the total weight

Selecting an inappropriate installation surface may cause the product to fall down or topple over, resulting in injury. Installation work shall be started after sufficient reinforcement.

Periodic inspections shall be conducted

Rust on the metal parts or screws may cause a fall of the product resulting in injury or accidents.

Consult the dealer for the inspections.

The measures of protection against a fall of this product shall be taken

Failure to observe this may cause a drop resulting in injury.

Be sure to install the safety wire.

The screws and bolts must be tightened to the specified torque

Failure to observe this may cause a drop resulting in injury or accidents.

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 inches) 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 cable cover. Lift and carry the terminal by securely holding the main unit from the bottom, with two hands.

Procure fixing screws separately.

- The screws that secure this product are not supplied. Prepare them according to the material and strength of the area where the product is to be installed.

Screw tightening

- The screws and bolts must be tightened with an appropriate tightening torque according to the material and strength of the installation area.
- Do not use an impact driver. Use of an impact driver may damage the screws or cause tightening excessively.
- When a screw is tightened, make the screw at a right angle to the surface. After tightening the screws or bolts, perform visual check to ensure tightening is enough and there is no backlash.

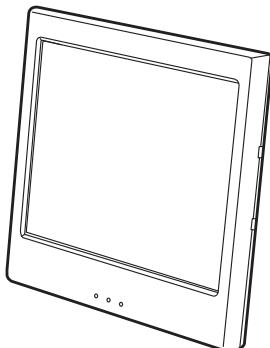
Be sure to remove this product if it is not in use.

Confirmation of Accessories

Before using, check the following accessories.

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

Main Body



AC Cord (JS-950KT-UH0)

- This is supplied together with the models which have the following model numbers:
JS-960WPUR50, JS-960WPUC51.



AC Adapter

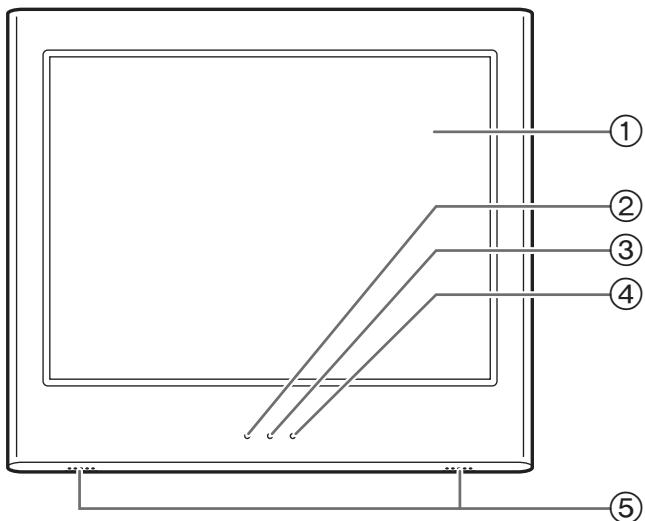


- An AC cord is not supplied together with the models which have the following model numbers:
JS-960WPEM51, JS-960WP0M51, JS-960WP0M61, JS-960WP0R50, JS-960WP0R51.

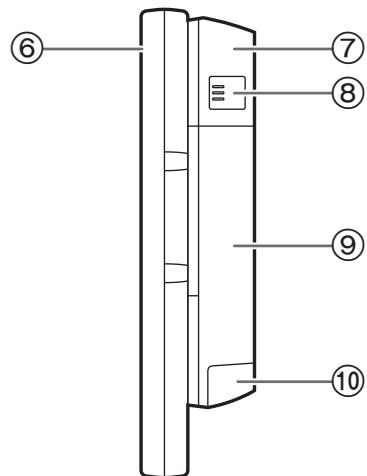
Names of Parts and Their Functions

English

Front



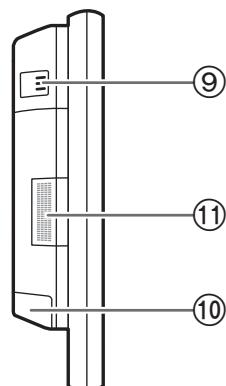
Right side



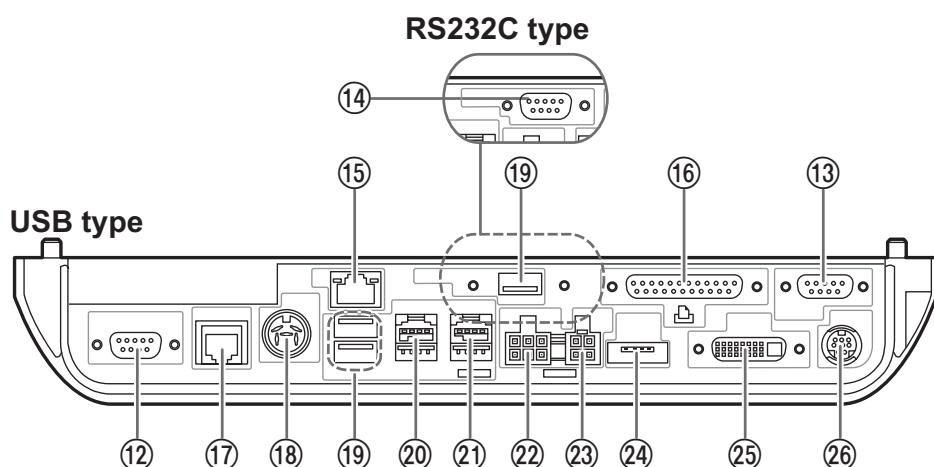
No.	Name	Functions
①	Operator's Display	Used for displaying information such as operation methods. ● The information to be displayed can be set using application software. This display can be used also as a touch panel for input operation.
②	Power Status LED	Lights yellow or green: Operating Lights red: 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	Speaker	Used for playing sound.
⑥	Display Unit	The unit which includes the operator's display.
⑦	Cable Cover	Cover of the cables for connecting the main unit and the display unit.
⑧	Cable Cover Release Button	Push when remove the cable cover.
⑨	Main Unit	This unit contains the I/O port and the storage unit.
⑩	Thumbscrew Cover	Cover of the thumbscrews which fix the display unit.

Names of Parts and Their Functions

Left side

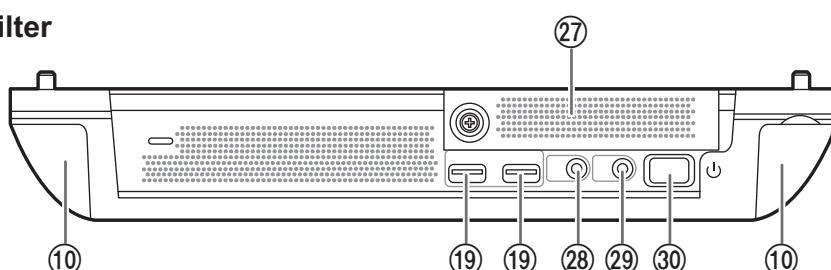


Top (without the cable cover)

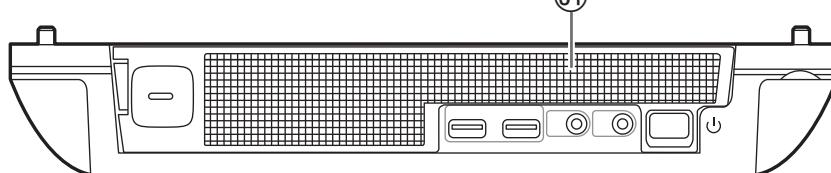


Bottom

Without filter



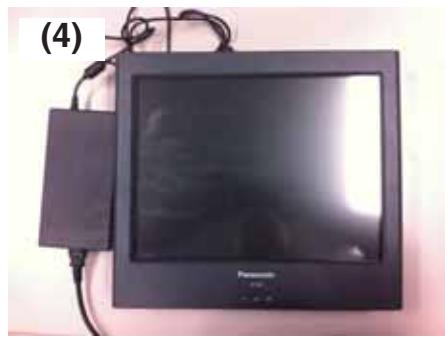
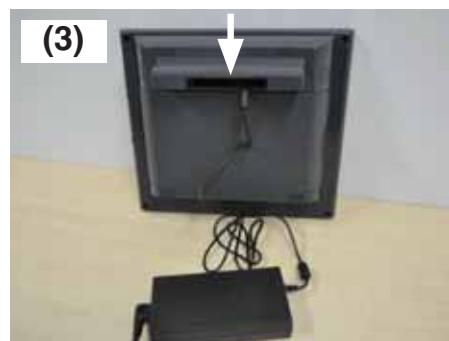
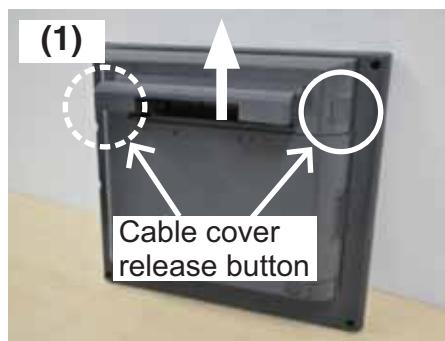
With filter



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

AC Adapter Installation

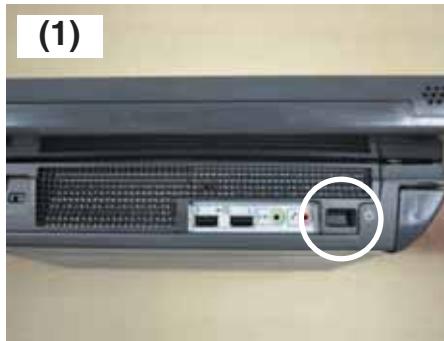
- (1) While pushing in the cable cover release button, slide the cable cover with both hands to remove it.
- (2) Connect the DC output connector of the AC adapter to the DC input connector.
 - Push the AC cord connector all the way into the AC IN side of the AC adapter to connect it.
 - Pull gently on the connector to make sure that the connector is locked in place. After pulling on the connector, push it in again.
- (3) Push firmly on the cable cover with both hands until it clicks to lock it into place.
- (4) Carefully replace the main unit on a clear, flat surface.



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).**

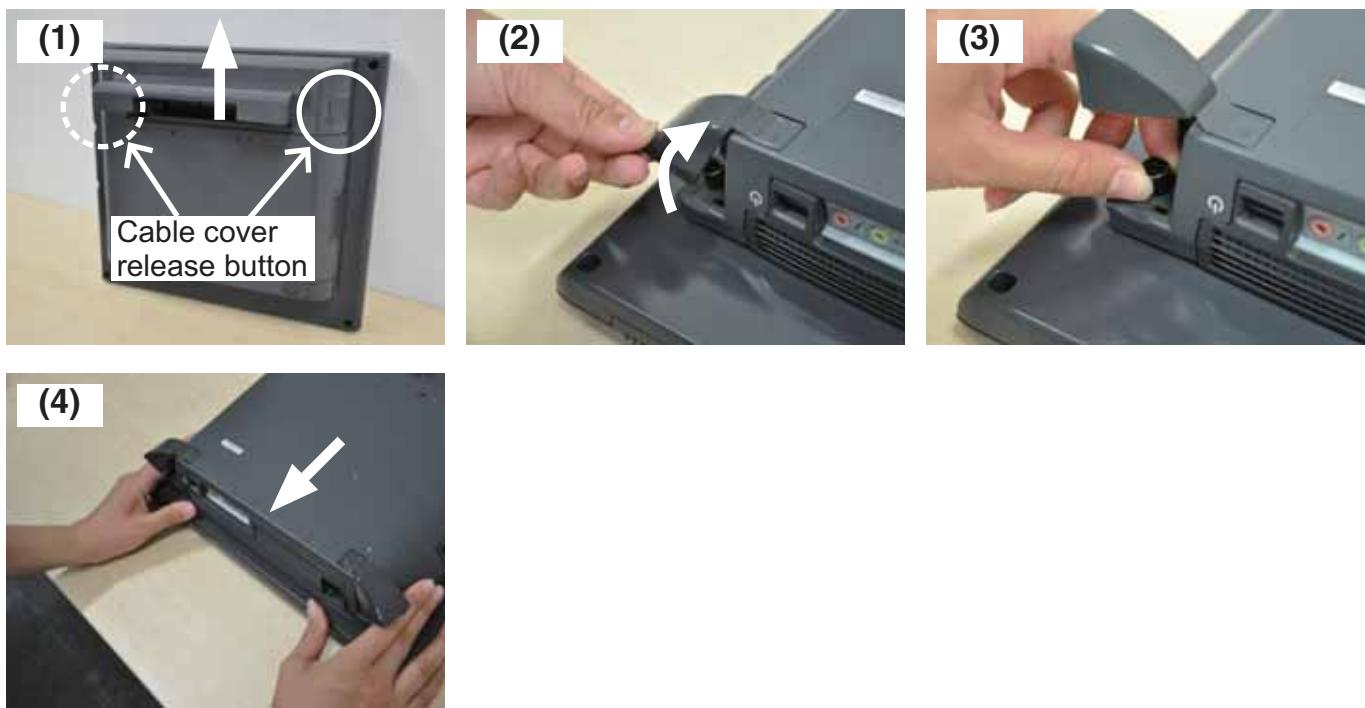
- (1) Press the power switch.
• The power status LED will light up in red.

Display Unit Replacement

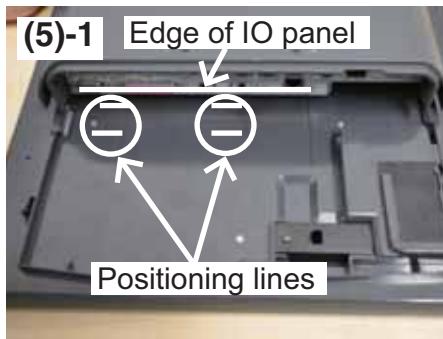
Be sure to disconnect the power cable of the main block (POS Workstation) and confirm the power is “OFF” before the operation below.

When fixing parts that use VESA mounts are not installed

- (1) While pushing in the cable cover release button, slide the cable cover with both hands to remove it.
 - Perform the work on a flat surface.
 - Place a non-slip mat on the surface to make the work easier.
- (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) Place the new display unit on a flat surface, hold the main unit with both hands, and place the main unit so that the edges of the main unit IO panel are aligned within the two positioning lines on the display unit. Then, slide the main unit slowly towards the top side of the display unit to connect the connector of the main unit and the connector of the display unit.
- Do not press the rear surface of the display unit. (Doing so may damage the functionality of the LCD or touch panel.)
- (6) Tighten the two thumbscrews of the main unit by hand to secure the display unit, and close the thumbscrew covers of the main 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) Return the cable cover to its original position, and close the cable cover.



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.

When fixing parts that use VESA mounts are installed

- (1) While pushing in the cable cover release button, slide the cable cover with both hands to remove it.
- (2) Open the screw covers (2 locations) of the main unit.
- (3) Loosen the 2 thumbscrews securing the display unit.
 - The thumbscrews shall be loosened until the screws rotate without resistance.
- (4) Hold both sides of the display unit and slide it out slowly to remove it.



- (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, and close the cable cover.



Storage 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.

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

- (1) 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.
- (2) Remove the screw (1 piece) that secures the HDD cover, and then remove the HDD cover.
- (3) Pull the eject lever of the storage unit and remove the storage unit slowly.



- (4) 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.
- (5) Insert the right side tab of the HDD cover, and secure it with the screw.
- (6) Follow steps (5) to (7) in “Display Unit Replacement” to reattach the display unit.



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-020) contents



Rear display x 1

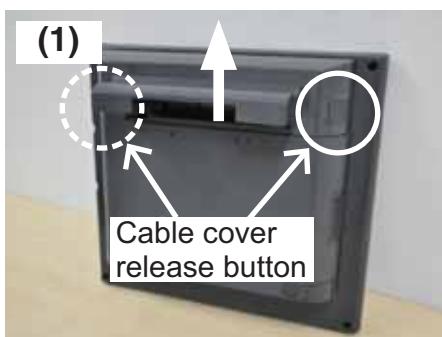


Plate x 1



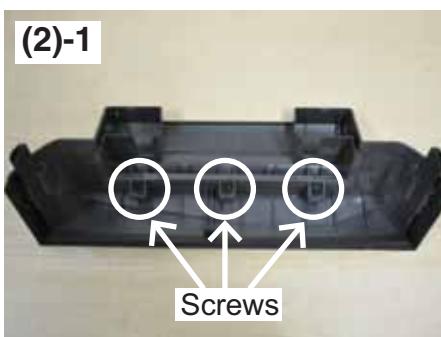
Screw x 4

- (1) While pushing in the cable cover release button, slide the cable cover with both hands to remove it.
- (2) Remove the three screws on the rear of the cable cover and separate it into the cable protector and the hinge protector.
- (3) Slide the plate and attach it to the rear display using the two thumbscrews.



(1)

Cable cover release button



(2)-1

Screws



(2)-2



(3)-1



(3)-2

- (4) Fix the rear display unit using the four screws and connect the cable to the RD OUT connector of the main unit.
- (5) Push firmly on the cable cover with both hands 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

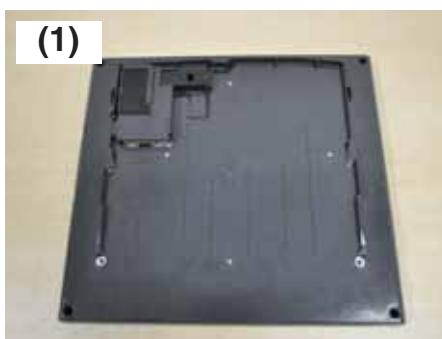


Joint x 1



Screw
large x 2, small x 2

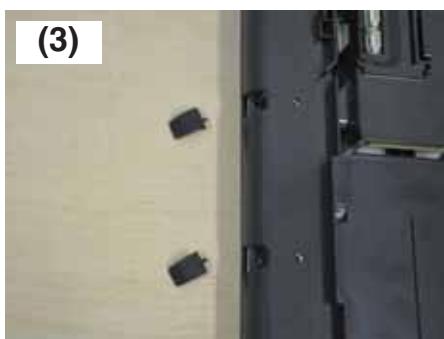
- (1) Follow steps (1) to (4) of “Display Unit Replacement” to remove the display unit.
- (2) Remove the MSR connector cover.
- (3) Remove the protective cover.



(1)

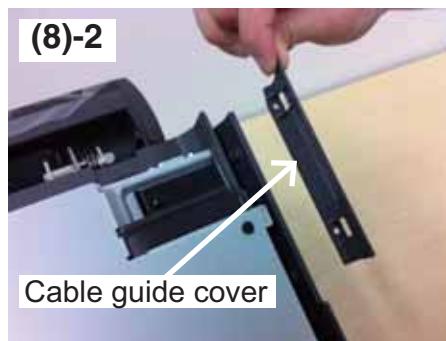
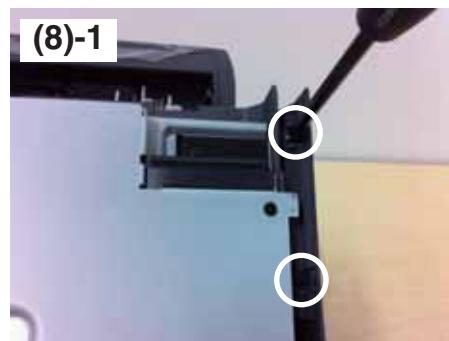
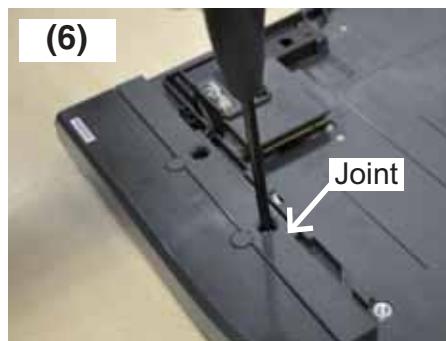
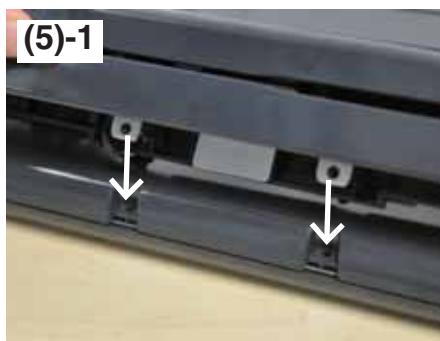


(2)



(3)

- (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

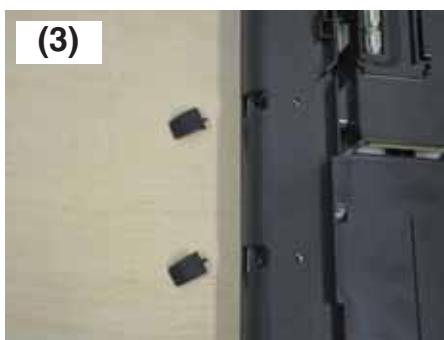
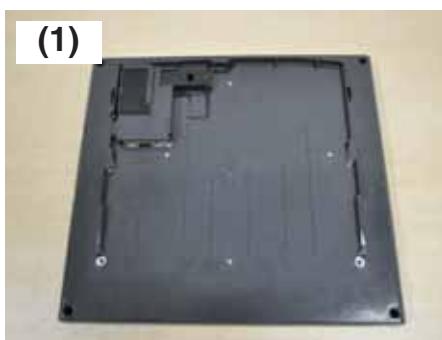


MSR unit x 1

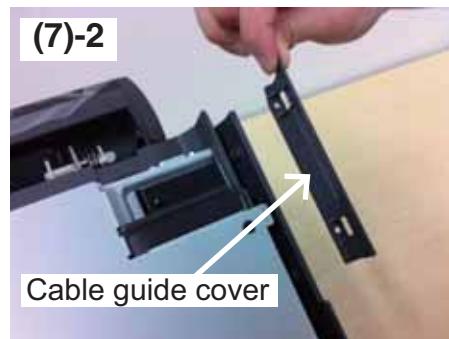
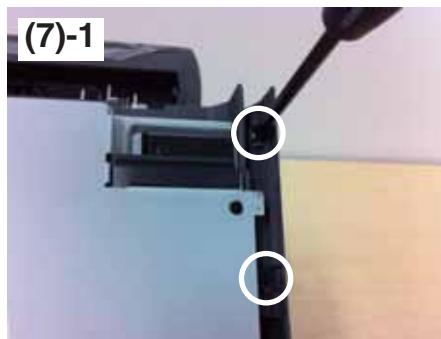
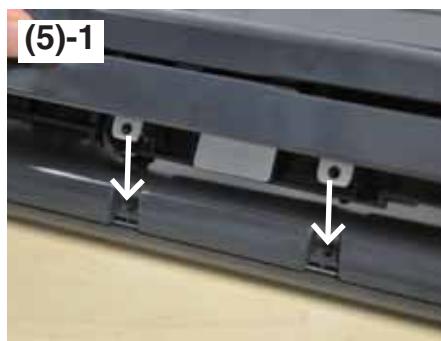


Screw x 2

- (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

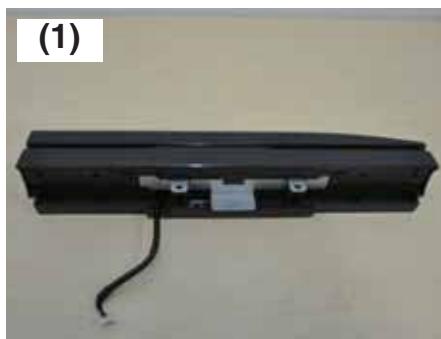


Bottom case x 1

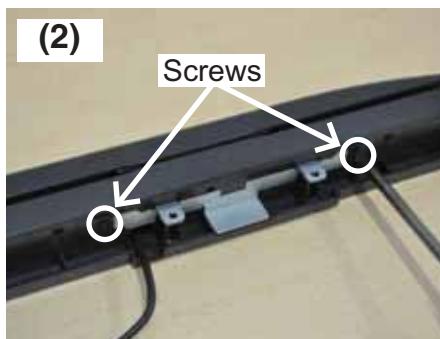


Cable x 1

- (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).

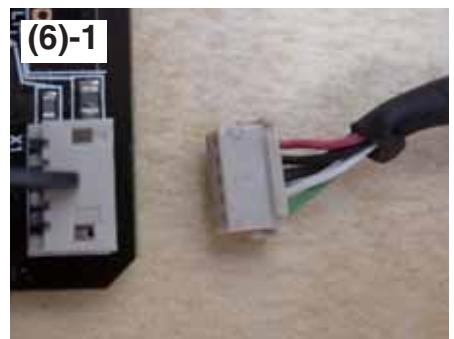
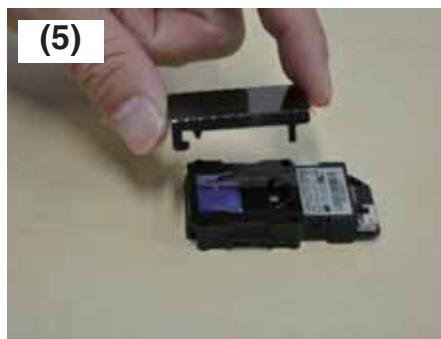
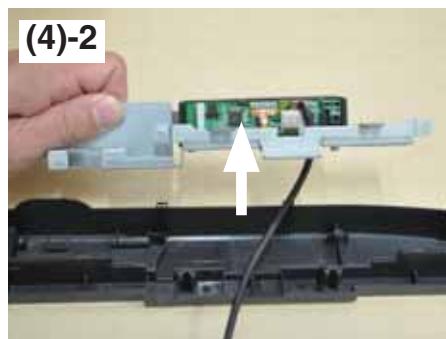
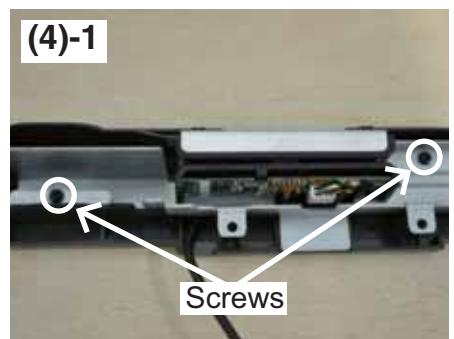


(1)



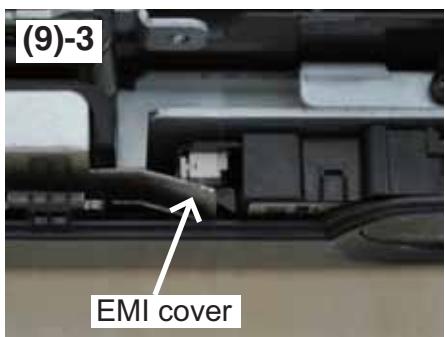
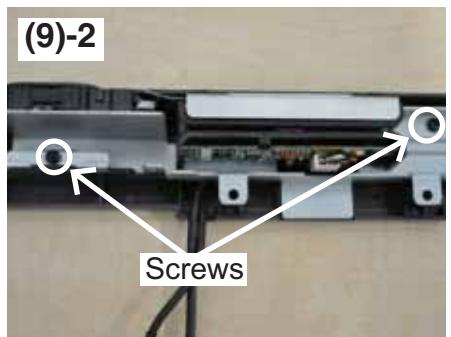
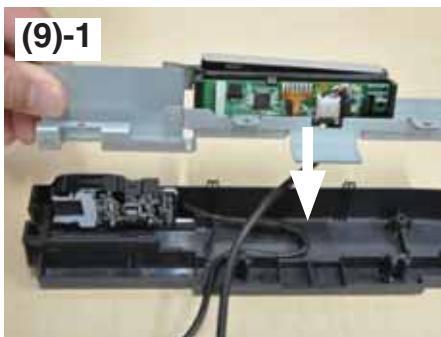
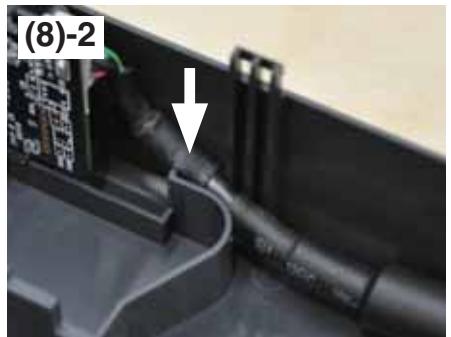
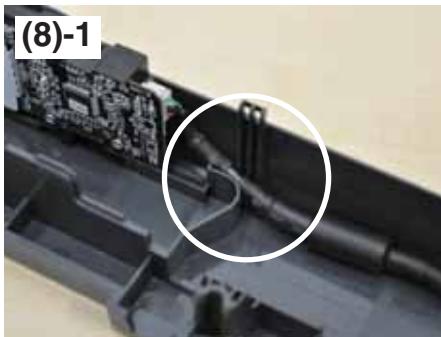
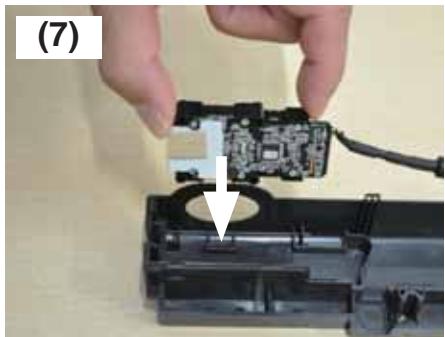
(2)

- (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.



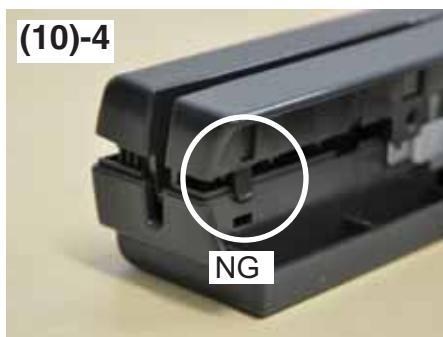
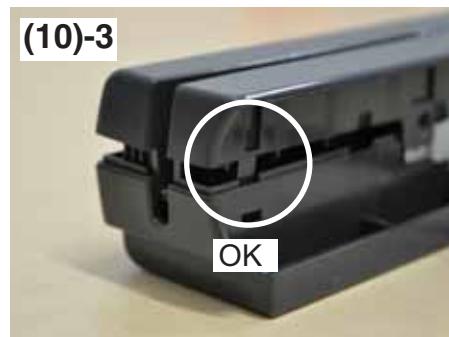
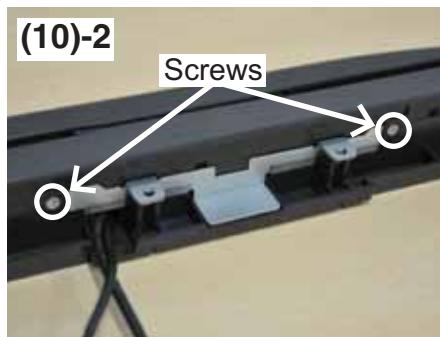
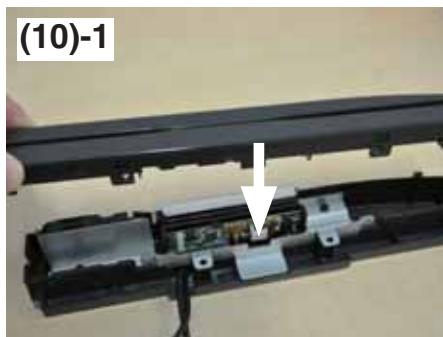
(10) Attach the top case, and secure it using the screws (2 locations).

- 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	Not Available (*1)
I/O Port	Powered USB	2 ports (12 V x 1 port, 24 V x 1 port)
	Standard USB	4 ports
	Serial	2 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 adapter (Input: AC 100 V-240 V, 50 Hz / 60 Hz, 2 A, Output: DC 24 V, 6.67 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
	15 % RH to 85 % RH (no condensation)
	Storage Temperature
	-30 °C to 60 °C (-22 °F to 140 °F)
Power Consumption	1.3 W / 120 V, 2.0 W / 240 V (When power is OFF by the power switch)
Dimensions	364 mm (W) x 134 mm (D) x 328 mm (H) (14.3 in. (W) x 5.3 in. (D) x 12.9 in. (H))
Weight	Approx. 5.6 kg (Approx. 12.3 lbs) (*4)

(*1) To setup RAID, Upright type chassis(JS-960WS model) and Mobile Intel® QM57 Express Chipset are 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 and AC adapter 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.

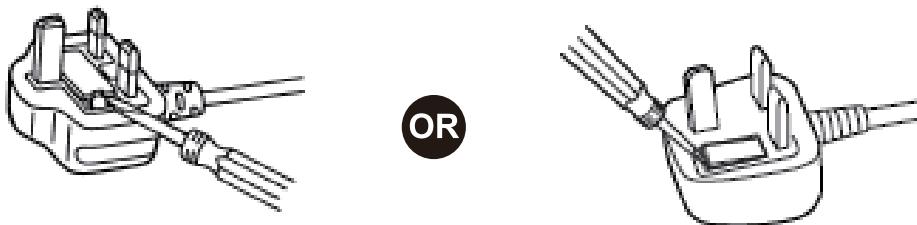
Cleaning

- 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.)

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.	<ul style="list-style-type: none">• 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.	<ul style="list-style-type: none">• 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 European and other fields:

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

