



POS System Electronic Manuals



Rev.1.01.220509.E

This manual consists of system introduction, system installation, system use, system expansion and appendix A/B

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Part 1. System Introduction

01. Safety Notices Before Installation or Use

Read these cautions to avoid damage or injury.



Cautions

Keep rated voltage.

The product can be damaged or burned by overvoltage.

Do not use damaged components.

The product may be damaged unless it is repaired at service center.

Install the product in a clean and dry place.

The product may not work properly in moist or dusty environments.

Always copy important files.

Always copy important files because data loss cannot be guaranteed by manufacturer.

Turn off the system and Remove the power cable before the product is removed.

You may get an electric shock.

Do not use loose or damaged power cables.

There may be electric shock or fire.

Always connect power cable to a grounded 3-wire outlet.

It prevents electric shock from electrical short.

Install the product at a place with good ventilation.

The product may be transformed or burned by overheating if air vent is blocked

Use power strips designed for computers.

There may be fire caused by overvoltage.

Use the cleaner which is only for computer.

Do not use benzene, thinner and alcohol or the product may be damaged.

Keep the product away from heaters.

The product may be damaged, overheated or burned.

Turn on the system after turning on peripheral device. Turn off peripheral device after turn off the system.

The product may be damaged.

Install the product in a safe, stable place.

The product may be damaged or you may get injured if the product is dropped.

Keep the product away from magnetic materials.

The contents of HDD may be erased or the electronic components may be damaged.

Carefully store or dispose of plastic packing material.

It is dangerous if children put their head on it.

Do not touch the power plug with a wet hand.

You may get an electric shock.

Do not touch modem, telephone line or exposed terminal during electrical storms.

There may be electric shock or fire.

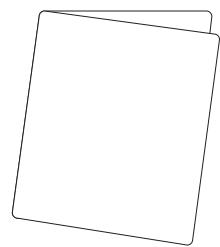
Upgrade the system after shutting off the power of system and its peripheral device.

The product may be damaged.

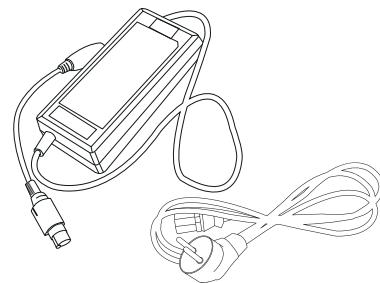
Part 1. System Introduction

02. System Introduction

- The exterior design and specifications of product can be changed without prior notice in order to improve quality.



〈Quick manuals〉



〈Power cable/Adaptor〉

Part 1. System Introduction

03. General Specifications

Processor	CPU : Intel Celeron N2807 1.58GHz(up to 2.16GHz) Without FAN Intel Celeron N3160 1.60GHz(up to 2.24GHz) Without FAN Intel Celeron J1900 2.00GHz(up to 2.40GHz) Without FAN Intel Celeron J6412 2.00GHz(up to 2.60GHz) Without FAN	
Chip sets	SOC	
Graphic	Integrated Intel HD Graphics	
Data storage device	SATA-III 2.5" HDD / SSD / mSATA SSD / M.2 SSD	
Memory	N2807 / N3160 / J1900 : DDR III SODIMM 1 Slot (Up to 8GB) J6412 : DDR IV SODIMM 2 Slots (Up to 32GB)	
BIOS	UEFI BIOS(Touch available in the BIOS)	
Display	Size : 15 (38.1cm) 1024 X 768 resolution LED LCD Support Colors : 16.2M Colors Contrast Ratio : 500:1 Backlight : 350cd/m ² , 30,000 hours of product life(LED back light)	
Touch Panel	15inch 5 - Wire Resistive Type Interface : Serial(COM4) Transparency : 80% Surface Hardness : 3H Hitting Life : 35 million times	15inch True flat PCT(Projective Capacitive Touch) Interface : USB Transparency : 80% over Surface Hardness : 3H over Hitting Life : 100 million times
OS	Windows 10 IoT / Windows 11 IoT	
I/O Interface	COM(Serial) Port : D-SUB 9P x 2Ports / RJ-45 x 1Port 5V / 12V or RI outputs through COM 1. 2 . 3(BIOS setup) PARALLEL Port : D-SUB 25P x 1Port USB Port N2807 / J1900 : USB 2.0 back x 2Ports / IO x 4Ports N3160 : USB 2.0 back x 2Ports / IO x 2Ports USB 3.0 IO x 2Ports J6412 : USB 2.0 x 2 / USB 3.1 Gen1 x 4 Ports Ethernet Port : 10M / 100M / 1Gb LAN RJ-45 x 1Port VGA Port : D-SUB 15P x 1Port Audio Port : Line-out x 1Port DC-OUTPUT Port : 12V DC-OUT 2.5Φ x 1Port	
Booting device	HDD, SSD, mSATA(N2807 only), m.2(N3160 only), External CD/DVD-ROM, USB memory etc.	
Power supply	AC INPUT : AC 100~240V / 50~60Hz, 2A DC OUTPUT : 12V / 5.0A(60W)	
Dimensions	W x H x D : 379 x 264 x 362(mm)	
Weight	6.0Kg	

Part 1. System Introduction

04. Optional Specifications

Magnetic Swipe Reader(MSR)	Read Track : ISO track 1, 2, 3 Interface : Internal USB Performance : 10~150 cm/sec Head Reliability : 500,000 times Error rate : Less than 0.5%
Parallel Port	D-SUB 25P x 1Port(Factory Option)
Customer Display	VFD : 5 x 7 Dot 20 x 2 Character type Graphic type 256 x 32 LCD : 9.7"(24.6cm) 1024 X 768 4:3 type 15"(38.1cm) 1024 X 768 4:3 type
Wall Mount	The device for attaching POS system on the wall

Part 1. System Introduction

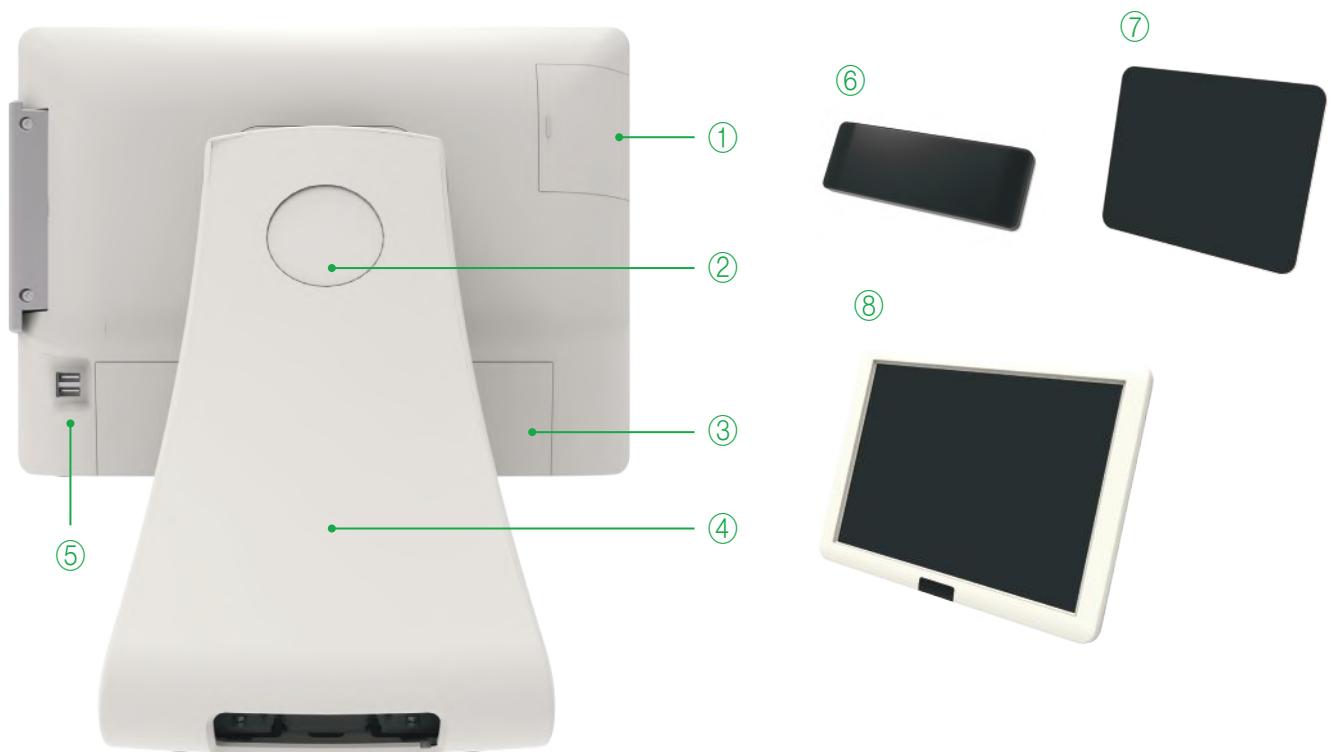
05. Name and Function of each component (Front View)



1. Credit card recognition lamp : When the card reader recognizes a credit card, the light is on.
2. Payment module (option) : MSR can be used.
3. Indicating lamp & Power button : The light is on when the system is on.
4. Stand

Part 1. System Introduction

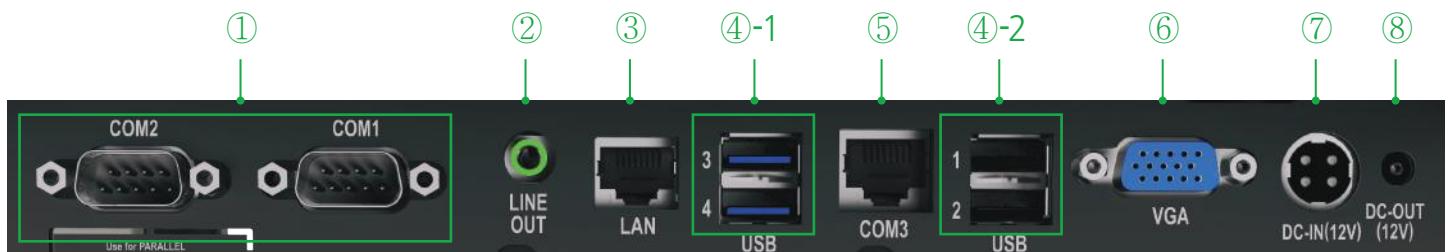
06. Name and Function of each component (Rear view)



1. HDD Slot : You can connect 2.5" HDD or SSD
2. Integrated customer display cover: Remove this cover, you can install the all-in-one customer display.
3. Interface cover : Remove this cover, you can install the peripheral device.
4. Dummy for cable arrangement : Remove this cover, you can arrange cables of device.
5. USB Port : USB Devices can be used through this port, i.e. USB scanner, USB Keyboard, USB Printer, etc.
6. VFD (all-in-one customer display) - option
7. 9.7inch Display (all-in-one customer display) - option
8. 15inch Display (all-in-one customer display) - option

Part 1. System Introduction

07. Name and Function of each component (I/O)

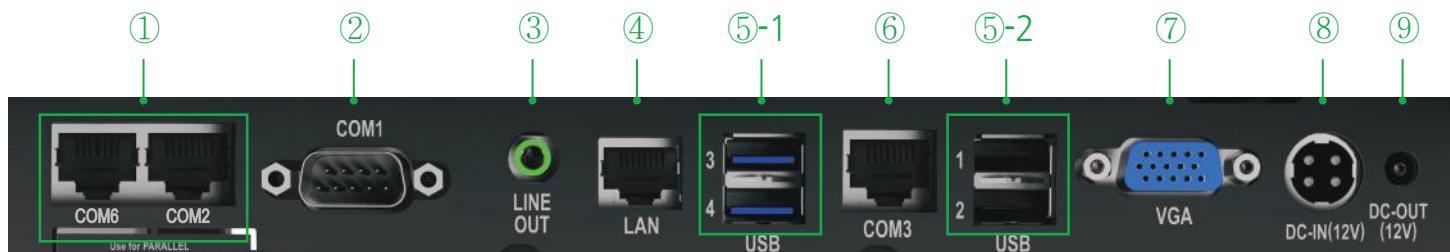


1. D-SUB 9pin COM (Serial) port : You can connect serial devices such as barcode scanners, printers.
2. Audio port (Line-out) : You can connect the external speakers.
3. RJ-45 LAN (ETHERNET) port : You can connect RJ45 cable for 100/1000 Mbps Ethernet connection.
4. USB 2.0/3- port : You can be used to connect devices such as the USB scanner, USB keyboard, USB printer
5. RJ-45 8pin COM(Serial) Port : You can connect serial devices such as barcode scanners, printers.
6. D-SUB 15pin VGA port : You can connect the external monitor.
7. 12V DC Input (Input power connection) : Jack is connected to the adapter to supply power to the system.
8. 2.5Φ 12V DC Output(for Rear display) : System connected to an external DC power cable to the power that can be an output jack.
9. RJ-11 6pin Cash Drawer port : You can connect the cash drawer.
10. Setting switch of Cash drawer voltage (Option) : You can switch the power (12V/24V) for a cash drawer.
11. This is location of the label rating of the product.

Part 1. System Introduction

07. Name and Function of each component (I/O - Option)

* Factory Option



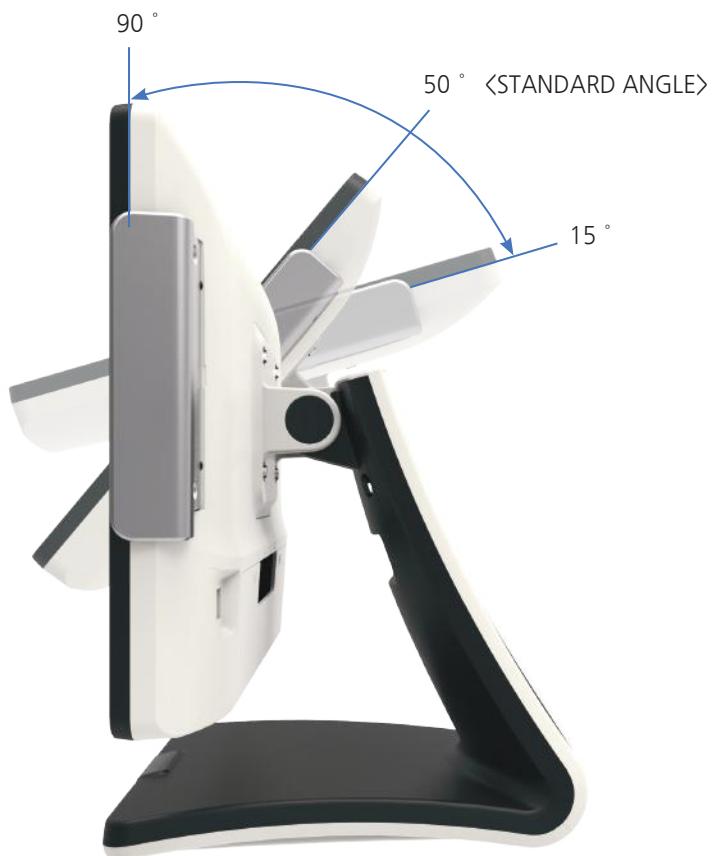
1. RJ-45 8pin COM(Serial) Port : You can connect serial devices such as barcode scanners, printers.
2. D-SUB 9pin COM (Serial) port : You can connect serial devices such as barcode scanners, printers.
3. Audio port (Line-out) : You can connect the external speakers.
4. RJ-45 LAN (ETHERNET) port : You can connect RJ45 cable for 100/1000 Mbps Ethernet connection.
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10. RJ-11 6pin Cash Drawer port : You can connect the cash drawer.
11. Setting switch of Cash drawer voltage (Option) : You can switch the power (12V/24V) for a cash drawer.
12. This is location of the label rating of the product.

Part 2. System Installation

01. Checking the Location for Installation

It is important to choose a safe and secure place to install the terminal.

- Choose a desk or table big and strong enough to support the weight of the system and peripherals.
- Choose a flat, hard surface. Carpeted area can generate static electricity that can alter memory or damage system components.
- Make sure a system installed in a well-ventilated place and keep the space free around the system.
- Choose appropriate environmental conditions such as cool and dry places. Avoid humid and dusty places. Also avoid direct sunlight, rapidly changing temperatures, or placing the system near heat sources.
- Select the appropriate voltage. Connect all the equipment into an isolated outlet to prevent static electricity and short circuit.
- Where sufficient power outlets are available for printers and other peripheral devices.
- Do not install near electromagnetic and electrical devices, such as phones and electric motors, that can cause system damage.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.



Note Adjust the system depending on the condition and use it with the exact angle.
Adjustable angle shown in the figure.



- Cautions**
- Use the same battery for the product (motherboard) to prevent a risk of explosion.
 - Dispose of used battery according to the separate instruction.

Part 2. System Installation

02. Before Connecting Peripherals

To connect peripherals first remove the 'Interface cover', which is in the bottom of the system, after that remove the 'Cable arrange cover' which is in the rear of the system.

• Interface cover remove

1. As it shown in the picture pull the 'Interface cover' in the direction of the arrow.

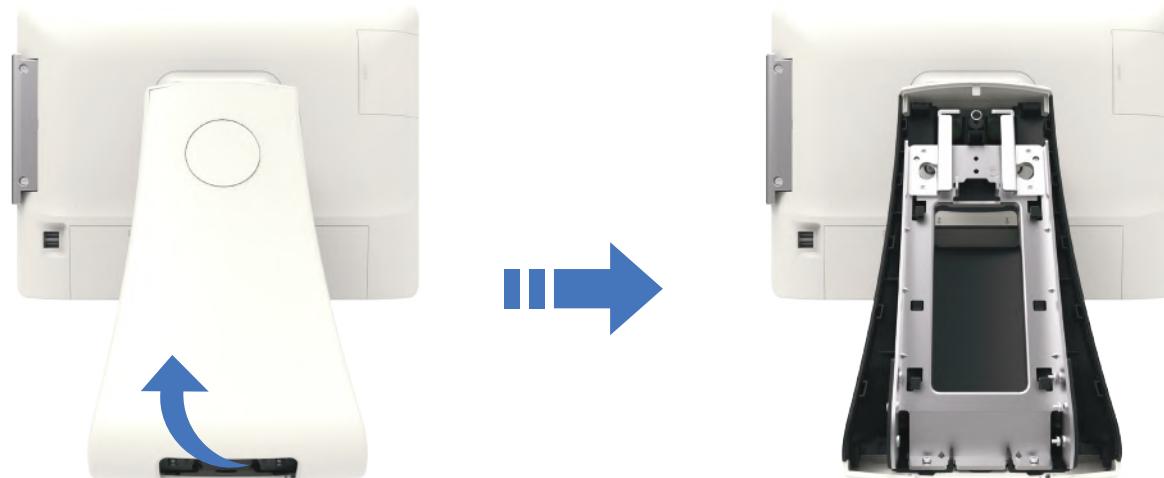


- Turn off the power of the body and connect peripherals.
- Connecting peripherals to the corners parts of the system can cause hands injury. For your safety use the gloves.



• Cable arrange cover remove

1. Remove the 'Cable arrange cover' in the direction of arrow shown in below picture.



Part 2. System Installation

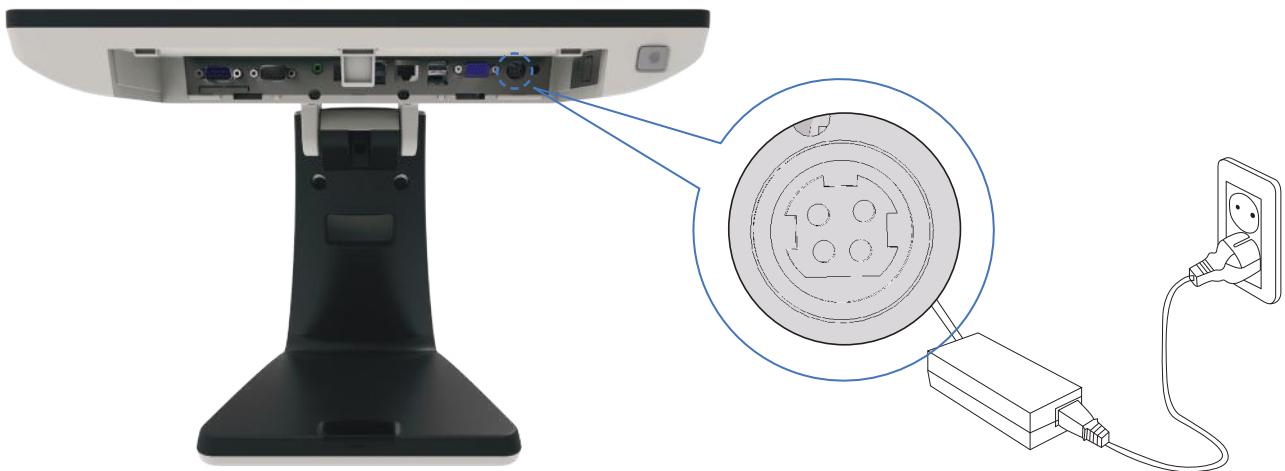
03. Connecting DC power supply cable

Connect the DC power cable to the DC power input connector at the bottom of the system.

(Adapter 100V - 220V free voltage of the system can be used.)



- Only manufacturer adapter should be used for this system.
- Manufacturer wont take responsibility for damages caused by using products which not made by manufacturer.

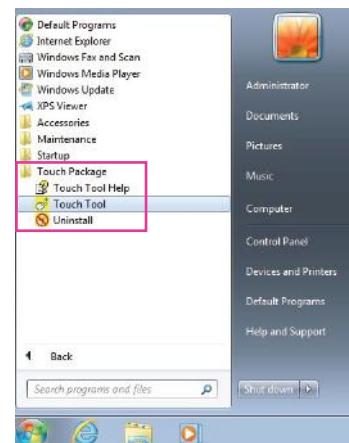


Part 3. System Utilization

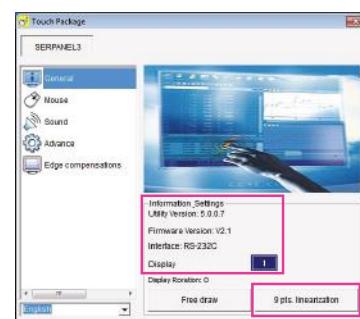
01. Resistive Normal touch

Please recalibrate if it is not accurate on touch points.

1. Click on Windows Start button and from All Programs, click on Touch Tool from Touch Package.



2. When you confirm the connected device form the Information Settings of Touch Package, click on 9 pts. linearization on lower right corner.



- Ball point pens or sharp tools may damage the surface of the touch screen.

3. Proceed coordinate adjustment by touching on points indicated by the arrows for two seconds.



4. After completing coordinate adjustment, it will show 'Skip' and 'Save' button. Once you click on 'Save,' the adjusted coordinate will be saved. (If you wish to re-do coordinate adjustment, click on 'Skip.')



- When using touch screen as dual monitor, if setting of the dual monitor is selected as 'Extended Monitor,' it can be used without additional coordinate adjustment for the touch screen. Also, while using it as 'Extended Monitor,' if the setting is changed to 'LVDS only' additional coordinate adjustment for the touch screen is also not necessary.

Part 3. System Use

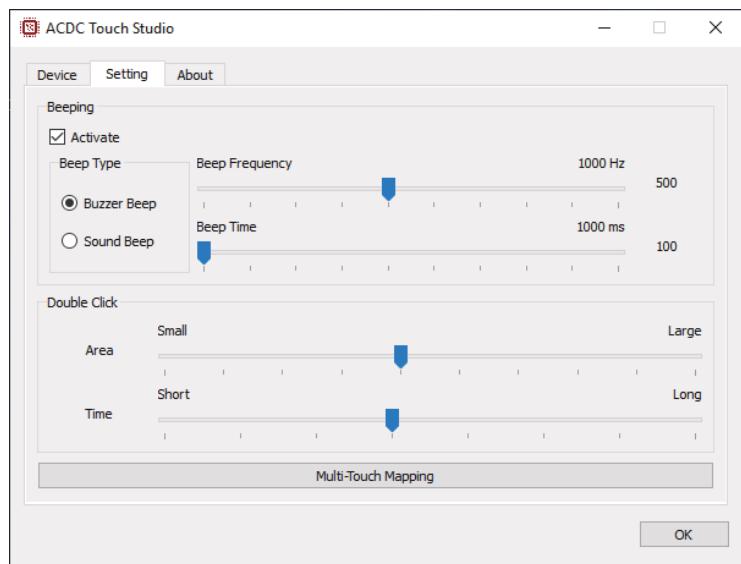
02. Capacitive Touch Screen Use

During the use of touch screen, when the accuracy becomes an issue, please re-do coordination adjustment.

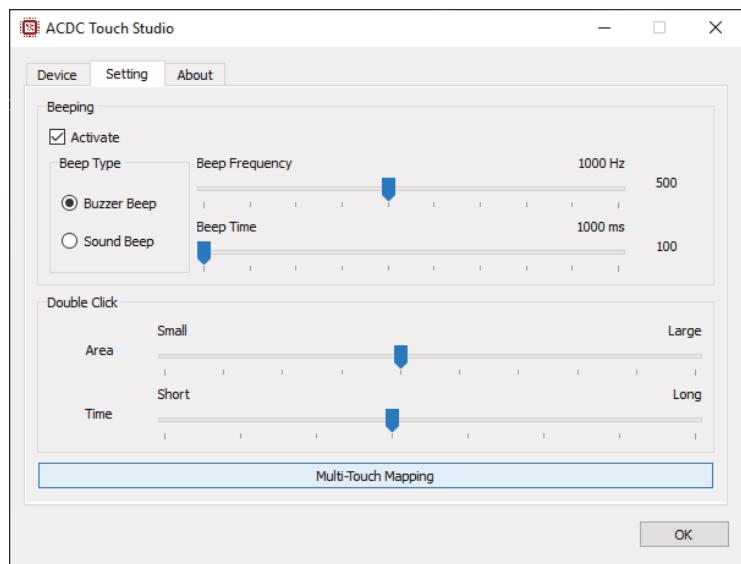
1. Right click on the  icon located at the lower right corner of menu and Click on Setting Tab of ACDC Touch Studio



2. Click on Setting Tab of ACDC Touch Studio



3. Click on Multi-Touch Mapping button to execute Tablet PC Settings of Windows.



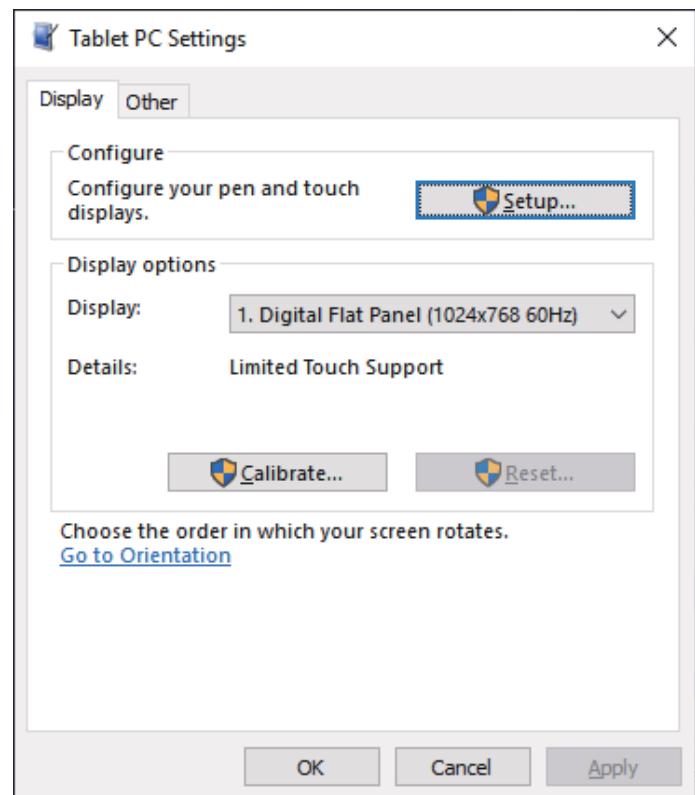
Part 3. System Use

02. Capacitive Touch Screen Use



- Ball point pens or sharp tools may damage the surface of the touch screen.

4. Click on Calibrate button to proceed coordination adjustment.



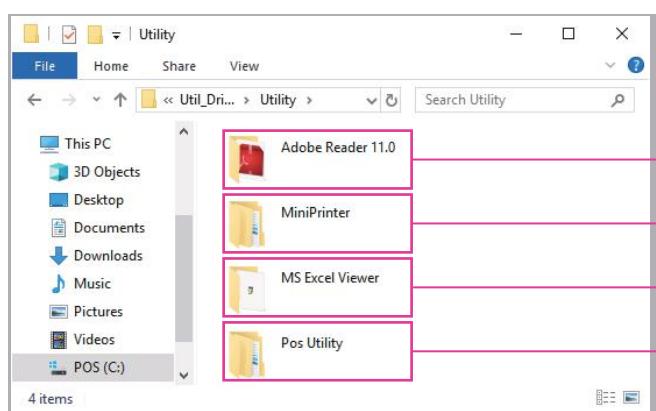
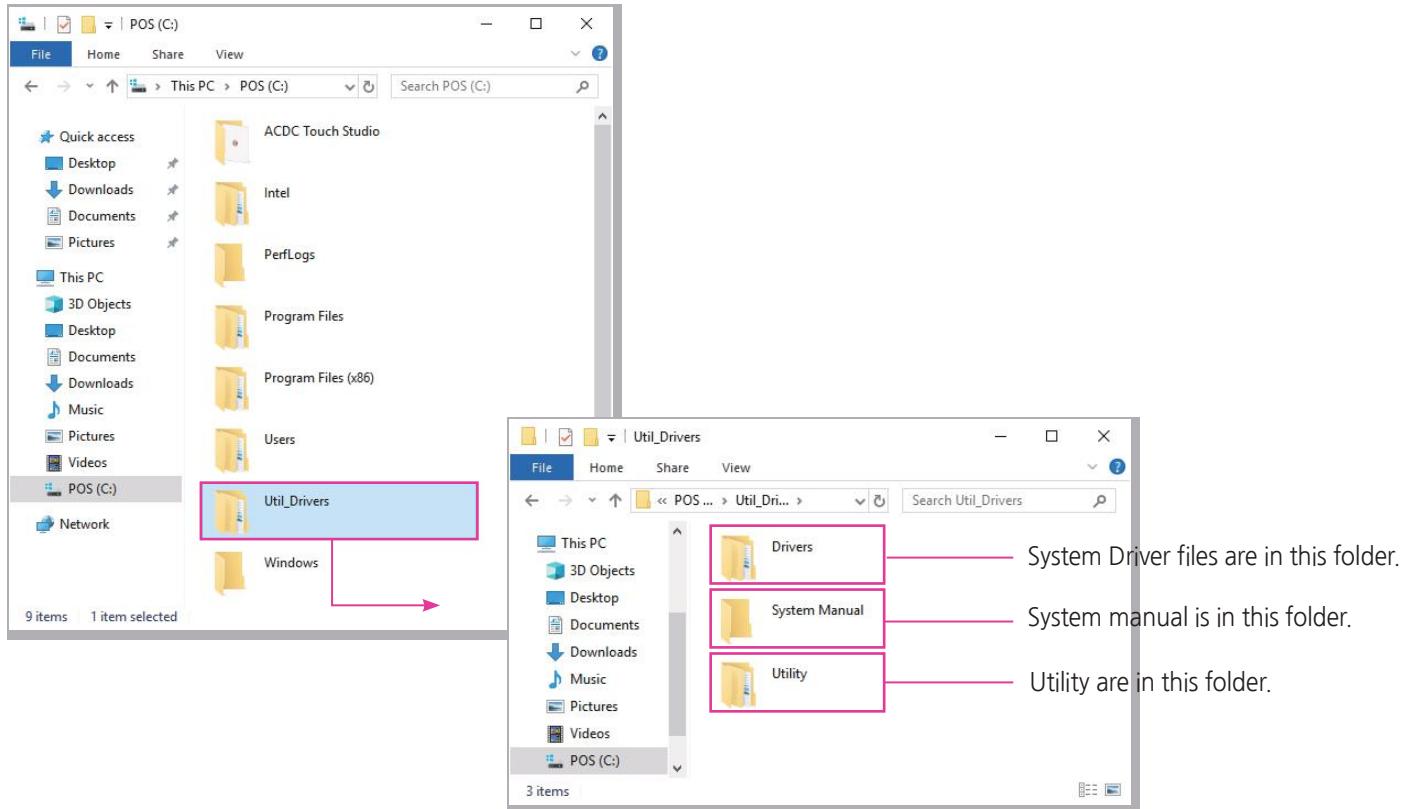
5. Touch the crosshairs to proceed with fixing the coordinates.



Part 3. System Utilization

03. POS Driver and Utility Introduction

1. POS Drivers & Other utilities are located in hard disk drive.(C:\Util_Driver)



Adobe Reader is in this folder.

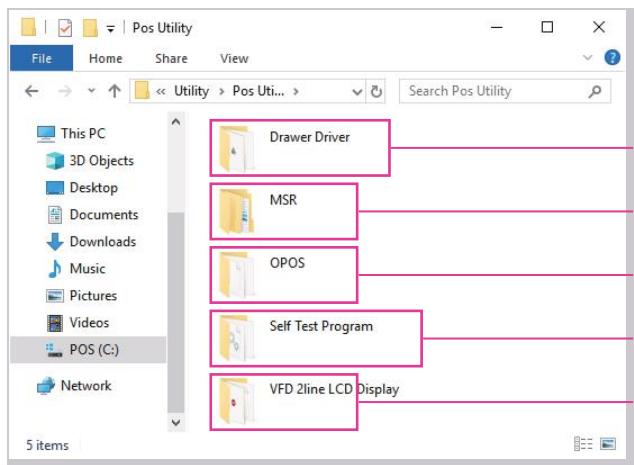
Windows install driver of SAM4S Printers is in this folder.

MS Excel Viewer is in this folder.

POS Utility is in this folder.

Part 3. System Utilization

03. POS Driver and Utility Introduction



Cash Drawer install driver is in this folder.

MSR Setup Utility is in this folder.

OPOS install driver is in this folder.

Self test program for dealer is in this folder.

VFD utility is in this folder.

- OPOS consisted of an architecture for win32-based POS device access.
- The current OPOS driver has been developed in accordance with OPOS Specification Version 1.10 and will be continued to support the upper version of OPOS Specification.
- Support OS : POSReady 2009, Win XP Pro, POSReady 7, Win 7 Pro\Win 8.1, Industry 8.1, Win 10

The location of installation file

- The file is located on the hard disk. (C:\Util_Driver\Utility\Pos Utility\OPOS)

The installation method

- Execute 'xxxxOPOSSET_RVx.xx.exe' file in OPOS folder.
- All components will be automatically registered & set up according to the system configuration.

Support Peripherals (The model name written on the bottom of the product)

- LineDisplay (Customer Display) : Q202LD
- Cash Drawer (Cash Drawer) : DRN2807
- POSPrinter (Printer) : ELLIX / GCUBE / GIANT Series

Part 3. System Utilization

04. Dual Monitor Usage

Additional monitor can be connected to the VGA connector. This content is written based on Windows 10.

- Dual Monitor usage

The system supports dual monitor system, which is using two monitors for one system. Sub-monitor's screen can be displayed as a duplication of the main monitor or as an extended screen. (Windows desktop)

1. Connect the external monitor when the system is off.

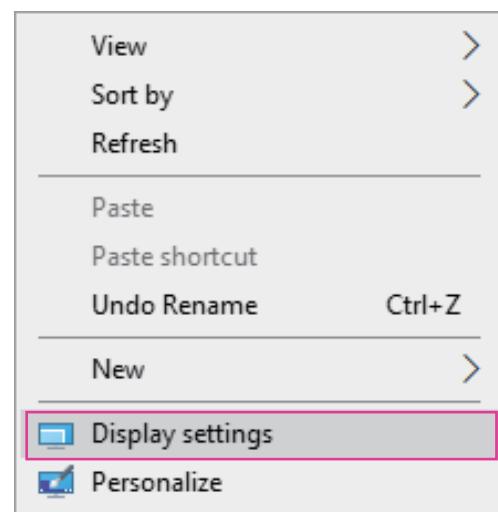
(Remove the 'Interface cover' at the rear bottom of the system and you will see a VGA connector.)

- ① Connect the external monitor when the system is off.
- ② Connect a power cable to external monitor

2. Press a power button of the system and the external monitor.



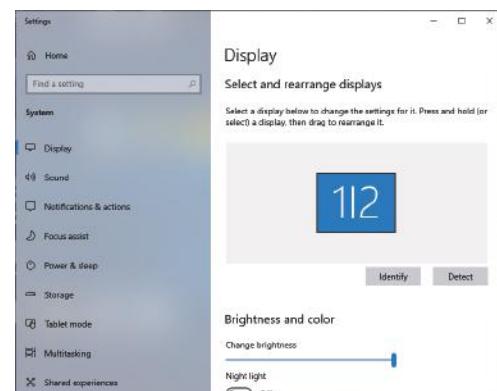
3. Click the right button of mouse on Windows desktop screen and select 'Display setting' from a popup menu .



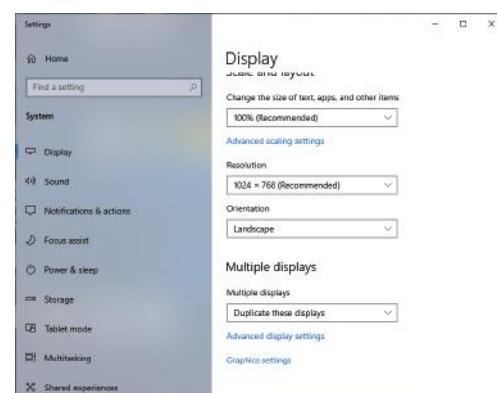
Part 3. System Utilization

04. Dual Monitor Usage

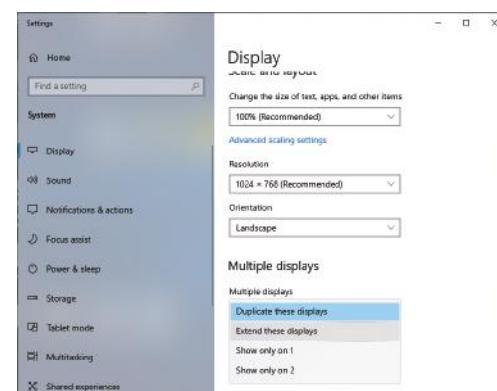
4. On The following dialog window Select and rearrange displays 'Display' option is set as '1|2. Multiple Monitor' and 'Multiple displays' (M) option is set as duplicate these displays.



5. Scroll down the screen in 'Select and rearrange displays' to check the current settings.
(In this case, the dual monitor shows a duplicated screen.)



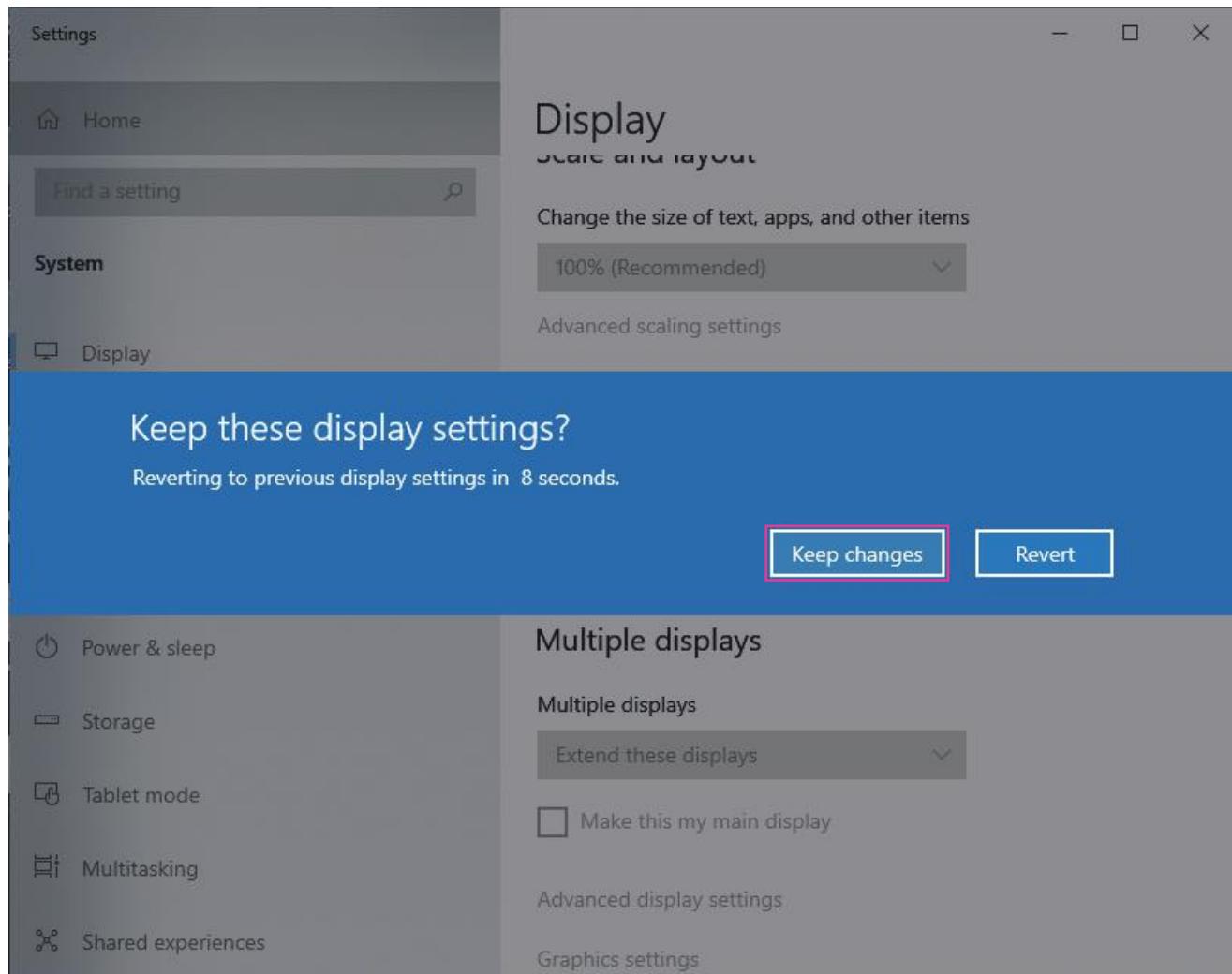
5. If you want to change to an extended screen, set 'Multiple displays' option as 'Extend these displays'.
(In this case, two different extended screen monitors are shown.)



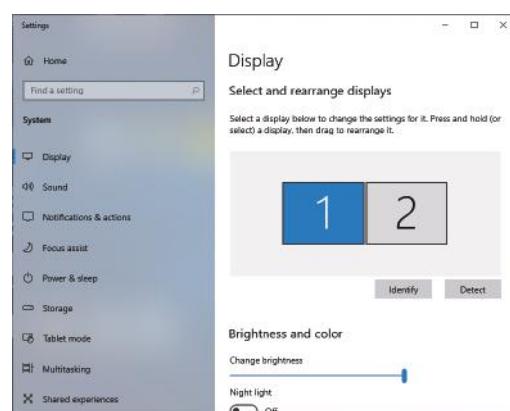
Part 3. System Utilization

04. Dual Monitor Usage

7. Select <Keep changes> button on 'Keep these display settings?' dialog to keep the current settings.



8. If the configuration is finished, click <X> button to close the 'Change the appearance of your displays' dialog window.

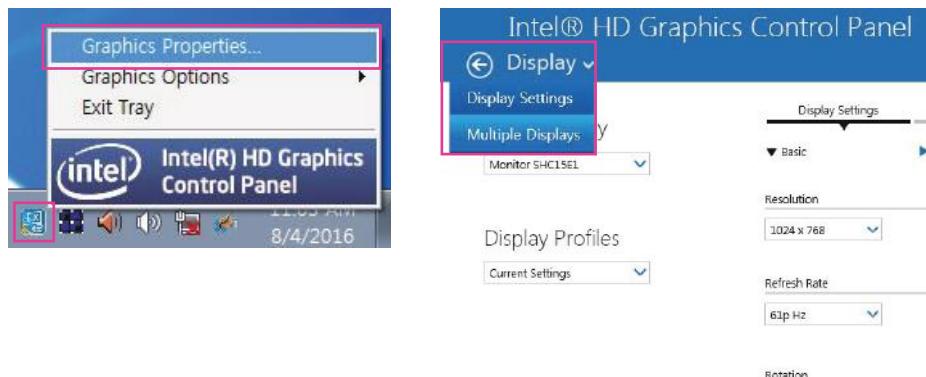


Part 3. System Utilization

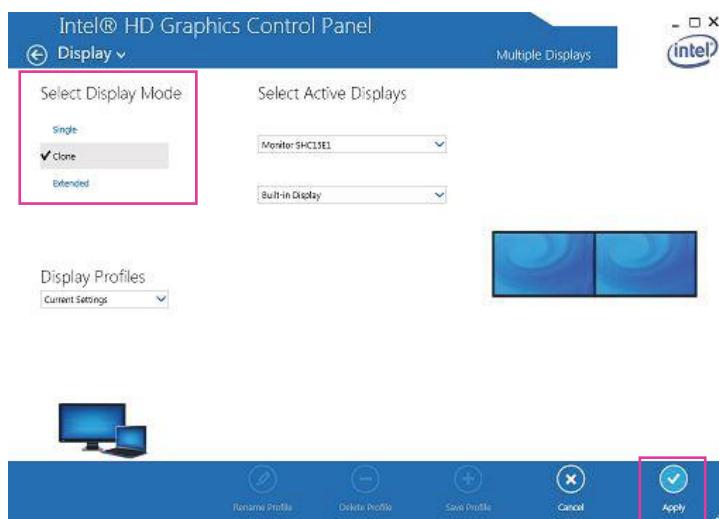
05. Dual Monitor Usage

- How to check dual monitor's settings

If dual monitors don't work properly, refer to the following procedure.



Make sure that 'Select Display Mode' is set as 'Extended'.



Part 3. System Utilization

06. How to control Direct I/O in order to use drawer

- BAYTRAIL(N2807 / J1900), BRASWELL(N3160)

			Hexadecimal	Binary
1	I/O address to open or close Drawer		0xA07	1010 0000 0111
2	Status Check	Open	0xFF	x1xx xxxx
		Close	0xBF	x0xx xxxx
3	Drawer 1	Kick out	0xF7	xxxx 0xxx
		Release	0x08	xxxx 1xxx
4	Drawer 2	Kick out	0xFE	xxxx xxx0
		Release	0x01	xxxx xxx1

- ELKHART LAKE (J6412)

			Hexadecimal	Binary
1	I/O address to open or close Drawer		0x2F	0010 1111
2	Status Check	Open	0xFF	xxxx x1xx
		Close	0xFB	xxxx x0xx
3	Drawer 1	Kick out	0xFE	xxxx xxx0
		Release	0x01	xxxx xxx1
4	Drawer 2	Kick out	0xFD	xxxx xx0x
		Release	0x02	xxxx xx1x

Part 4. System Extension & Disassemble

01. Power Adaptor

1. Confirm that the power of peripherals and systems are turned off.

2. Pull the interface cover located at the bottom of the system in the direction of the arrow to disassemble the interface cover.



3. Disconnect the DC power supply and other cable of peripherals.



- Caution when disconnecting DC power supply.

The neck part of the power jack must be removed pulled before disassembly.

Part 4. System Extension & Disassemble

02. VFD, 9.7" Dual Monitor

※ Assemble & Disassemble structure is same for VFD, 9.7" dual monitor.

1. Disassemble the interface cover and the cable cover as you see in below picture.

2. Disassemble the top cover of the stand.



3. Reassemble the cable cover.

4. Tilt the display and pass power cable through display and stand as shown in below picture.

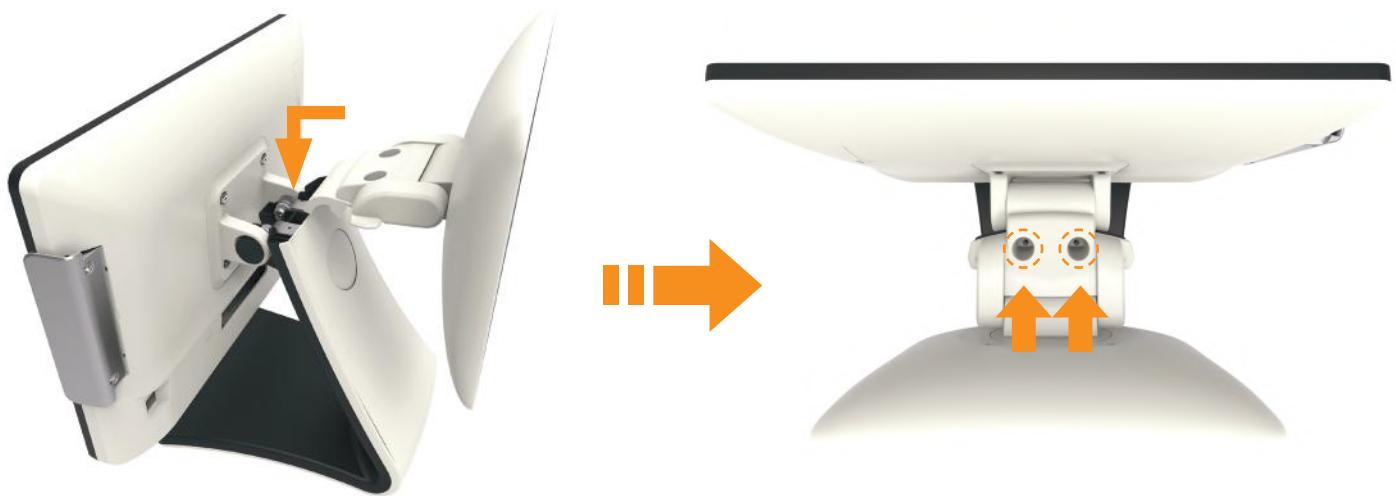


Part 4. System Extension & Disassemble

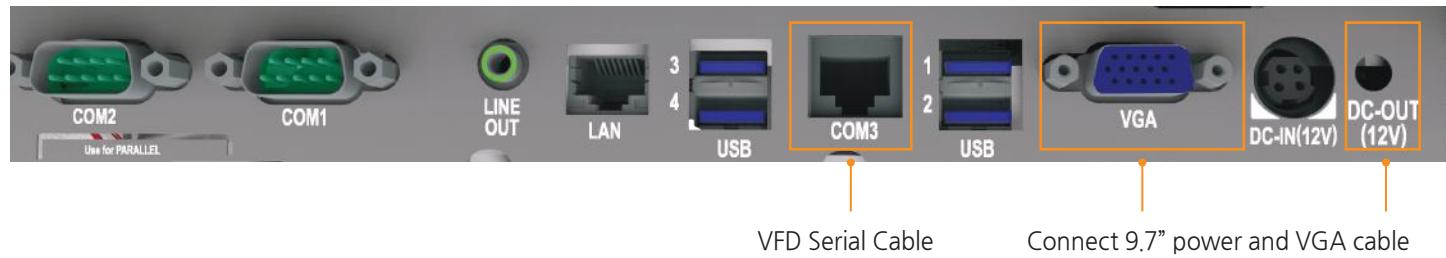
02. VFD, 9.7" Dual Monitor

5. Pass VGA cable through display and stand shown in below picture.

6. Assemble the dual monitor and fix it with two screws.



7. Connect VFD cable on COM3 and 9.7" cable on DC-OUT and VGA Port and assemble the interface cover.



VFD

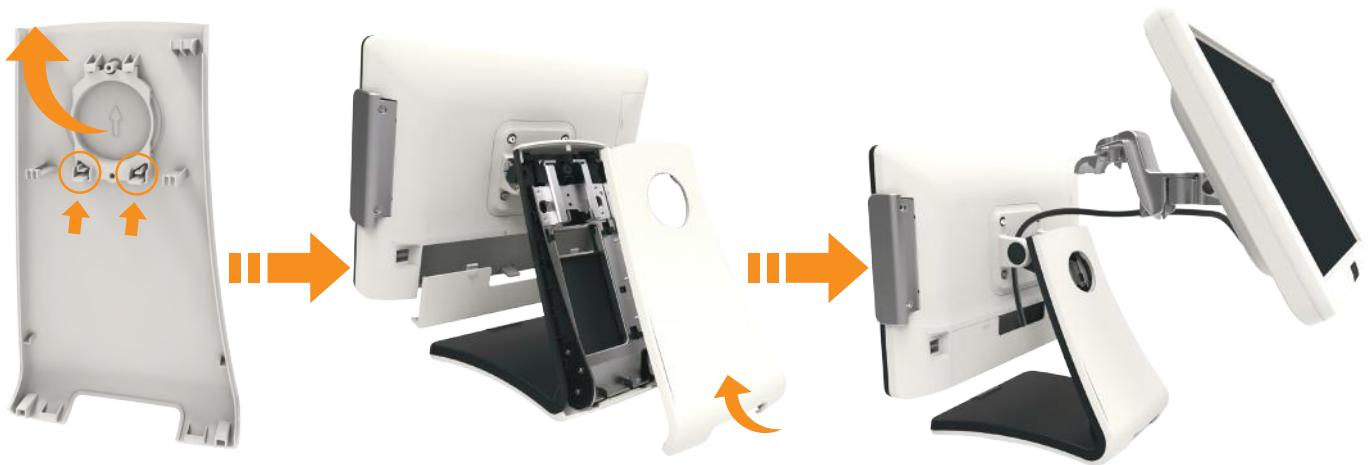


9.7" Dual Monitor

Part 4. System Extension & Disassemble

03. 15" Dual Monitor

1. Proceed up to No. 2 of "02. VFD, 9.7" Dual Monitor".
2. Press on the hook as you see in below picture to disassemble display dummy.
3. Locate both VGA and Power cable through stand and display as shown in below picture.



4. Assemble dual monitor as below picture and fix it with two screw.



Part 4. System Extension & Disassemble

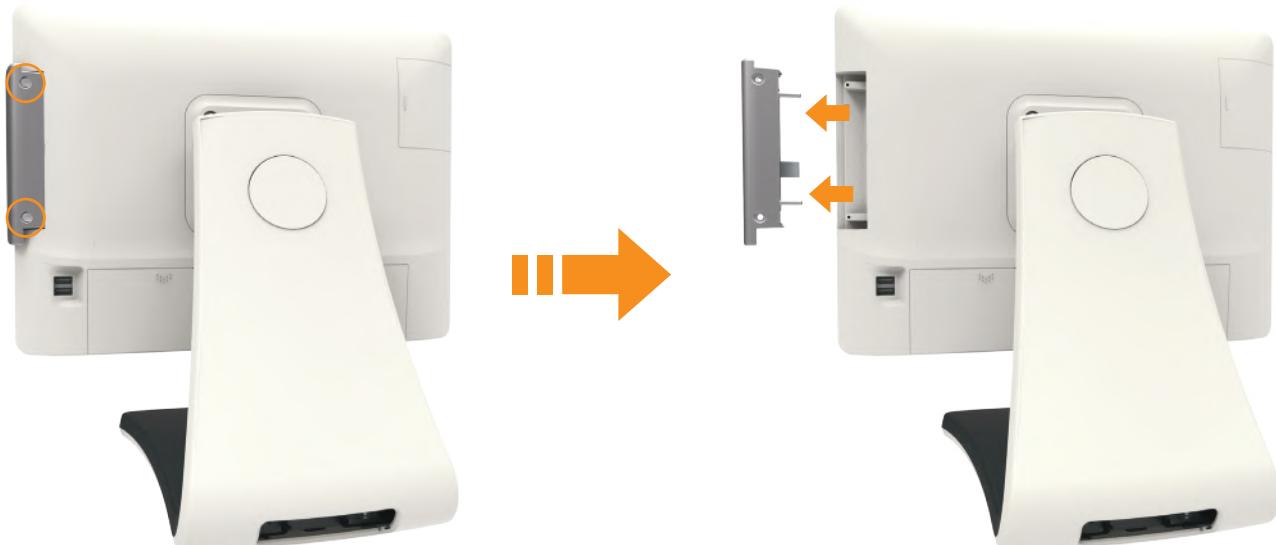
03. 15" Dual Monitor

5. Refer to No. 7 of "02. VFD, 9.7" Dual Monitor" and connect VGA and power cable and assemble the interface cover.



04. MSR Module

1. Unscrew two screws on the back side of MSR and disassemble from the POS.



Part 4. System Extension & Disassemble

05. HDD

1. Turn off the POS system for HDD change.
2. Push the HDD cover in the direction of arrow shown below and disassemble HDD cover.
3. Unscrew the screw and pull the HDD to disassemble.



- **HDD assemble and confirmation of it working**

1. Assemble the HDD following the above direction in reverse order and connect the peripheral and DC power cable.
2. Press the power button to start the system and check the newly installed HDD is properly connected.

Part 4. System Extension & Disassemble

06. Memory (N2807/J1900/N3160)

There are times when the main memory capacity needs to be increased.

The standard of currently connected memory and new memory needs to be figured out.

The maximum memory capacity for N2807 is 4 GB, N3160 and J1900 are 8 GB .

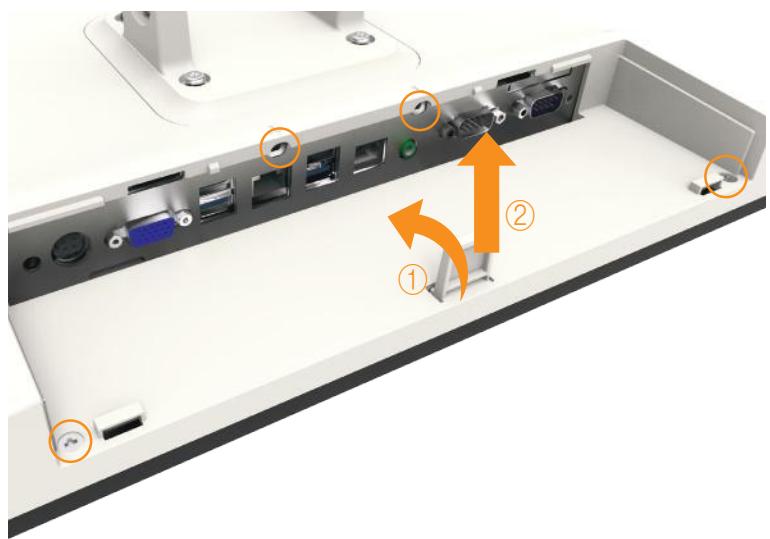
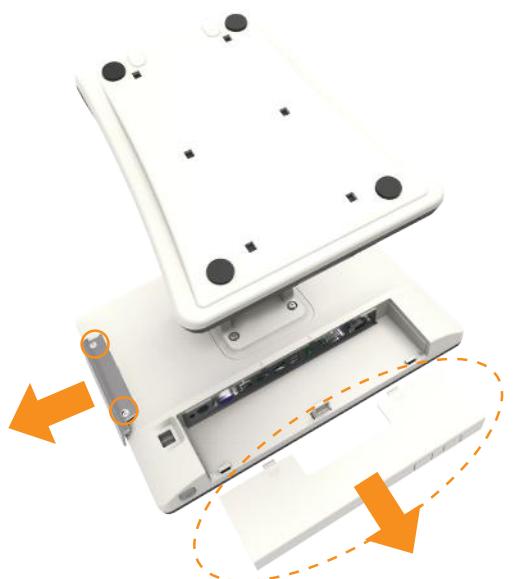
When memory is installed, the BIOS will automatically realize the type, capacity and speed of the memory.

1. To increase the main memory, turn the system off.

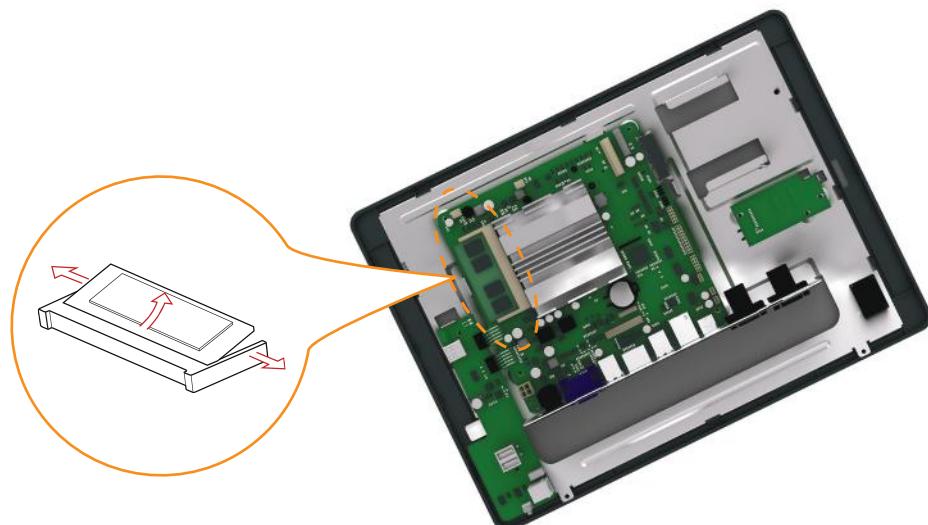
- Before disassembling the system the power and peripheral cables must be disconnected.

2. Turn the system so that the stand is facing up and unscrew two screws on the back of MSR and disassemble the module.

After removing interface cover, unscrew four screws and to relieve hook, push in the direction of arrow ① and to disassemble motherboard protection cover, pull in the direction of arrow ②.



3. Pull the lever on the both side as shown in the below picture and disassemble the memory.



Part 4. System Extension & Disassemble

06. Memory (J6412)

There are times when the main memory capacity needs to be increased.

The standard of currently connected memory and new memory needs to be figured out.

The maximum memory capacity for J6412 are 32GB

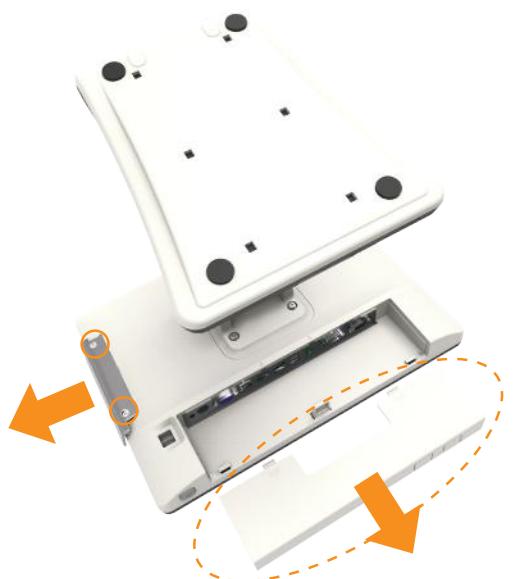
When memory is installed, the BIOS will automatically realize the type, capacity and speed of the memory.

1. To increase the main memory, turn the system off.

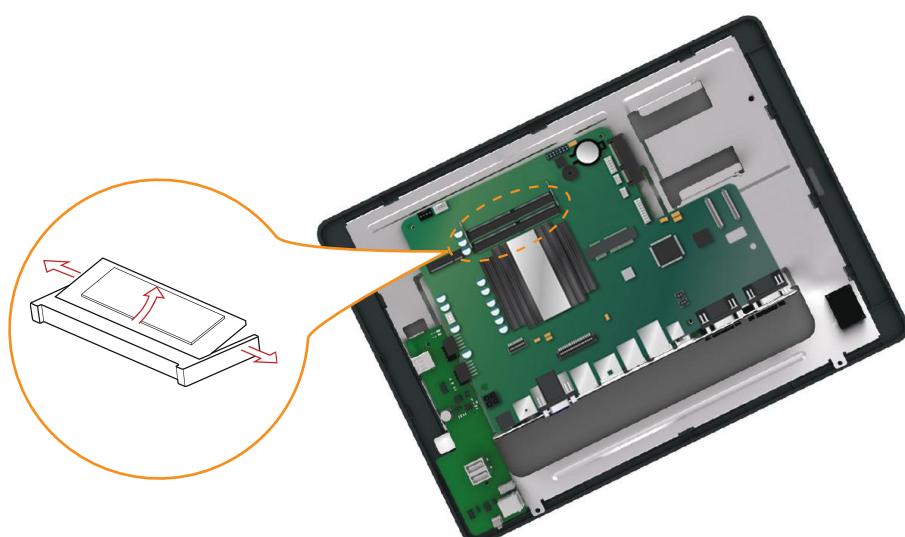
- Before disassembling the system the power and peripheral cables must be disconnected.

2. Turn the system so that the stand is facing up and unscrew two screws on the back of MSR and disassemble the module.

After removing interface cover, unscrew four screws and to relieve hook, push in the direction of arrow ① and to disassemble motherboard protection cover, pull in the direction of arrow ②.



3. Pull the lever on the both side as shown in the below picture and disassemble the memory. (J6412)



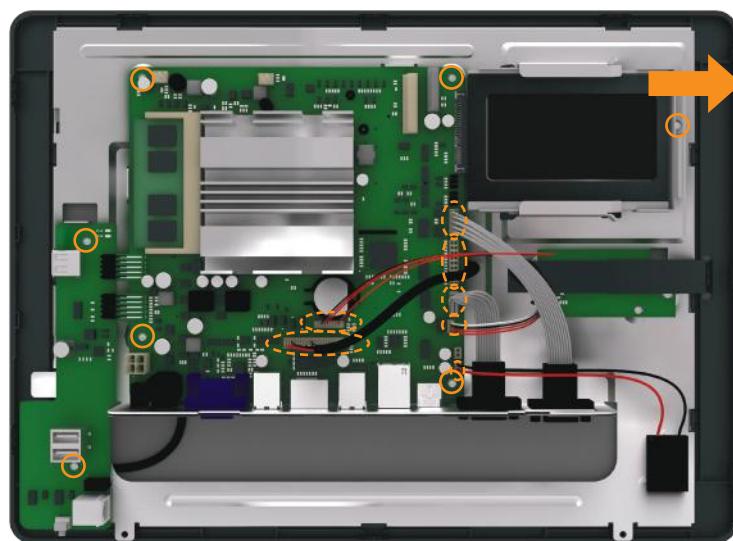
Part 4. System Extension & Disassemble

7. Touch Panel & LCD (N2807/J1900/N3160)



- During disassemble of LCD or Touch Panel, due to foreign substance or carelessness, it could be damaged.
Please be assisted from the service center that we certify.

1. Proceed up to No. 2 of 06. Memory and disassemble the touch cable and other seven cables. Then, unscrew seven screws and pull the HDD in the direction of the arrow.



2. Disassemble the motherboard by pulling it in the direction of arrow as below picture.



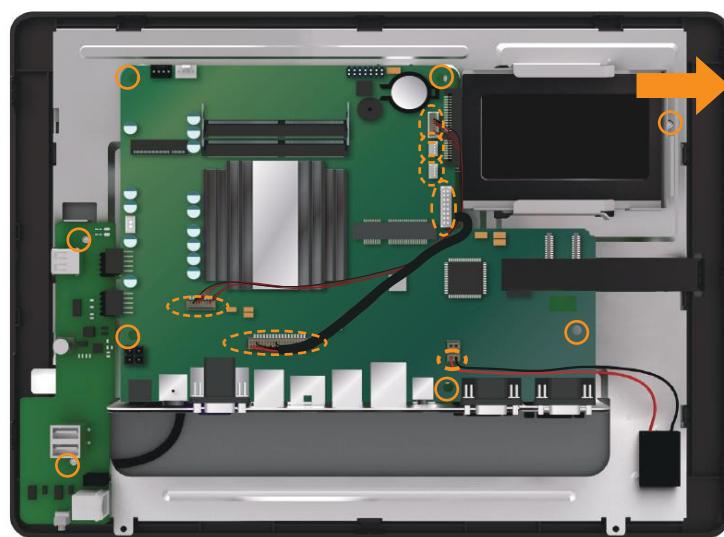
Part 4. System Extension & Disassemble

07. Touch Panel & LCD (J6412)



- During disassemble of LCD or Touch Panel, due to foreign substance or carelessness, it could be damaged.
Please be assisted from the service center that we certify.

1. Proceed up to No. 2 of 06. Memory and disassemble the touch cable and other seven cables. Then, unscrew seven screws and pull the HDD in the direction of the arrow.



2. Disassemble the motherboard by pulling it in the direction of arrow as below picture.

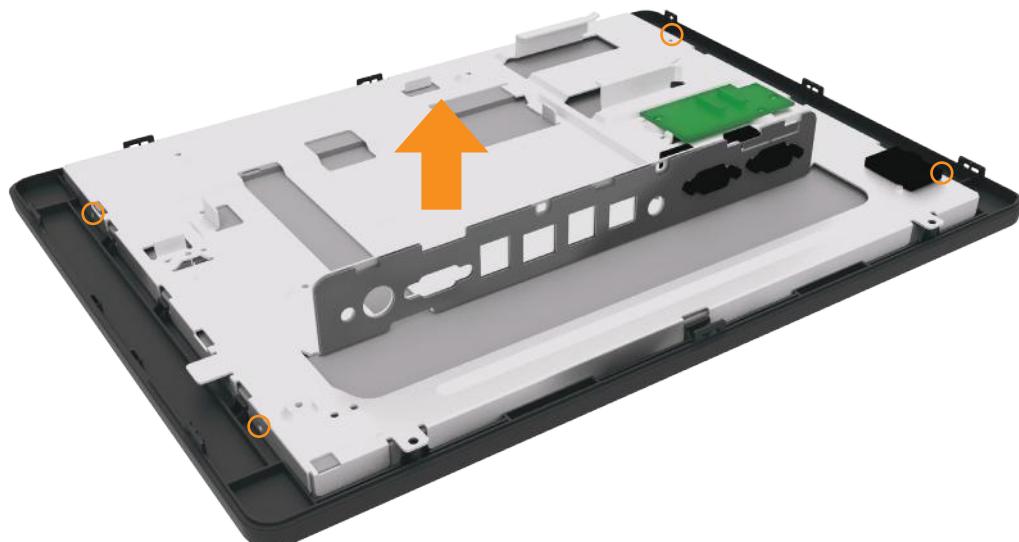


Part 4. System Extension & Disassemble

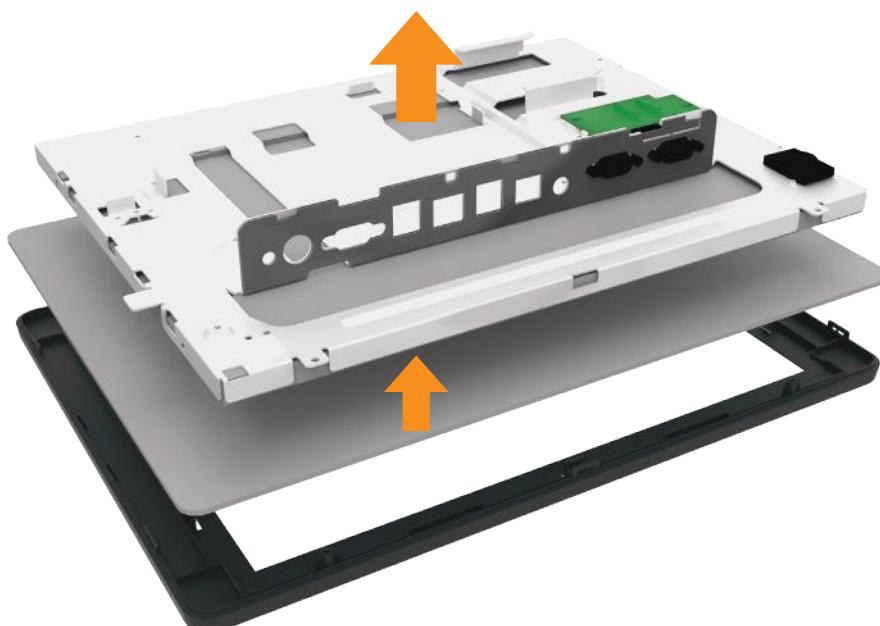
07. Touch Panel & LCD (N2807/J1900/N3160)

3. Disassemble four screws located on the side of display bracket.

4. Lift up the display bracket to separate it from LCD.



5. Disassemble display and touch panel.



- Please be cautious to prevent cables from being damaged during the process.
- Due to pressure between touch panel and LCD, the touch panel could suddenly fall from LCD.
- Please be cautious to prevent from any kind of damage.
- After disassemble, be cautious to prevent foreign substance to get on LCD or touch part of the monitor or have external damage.

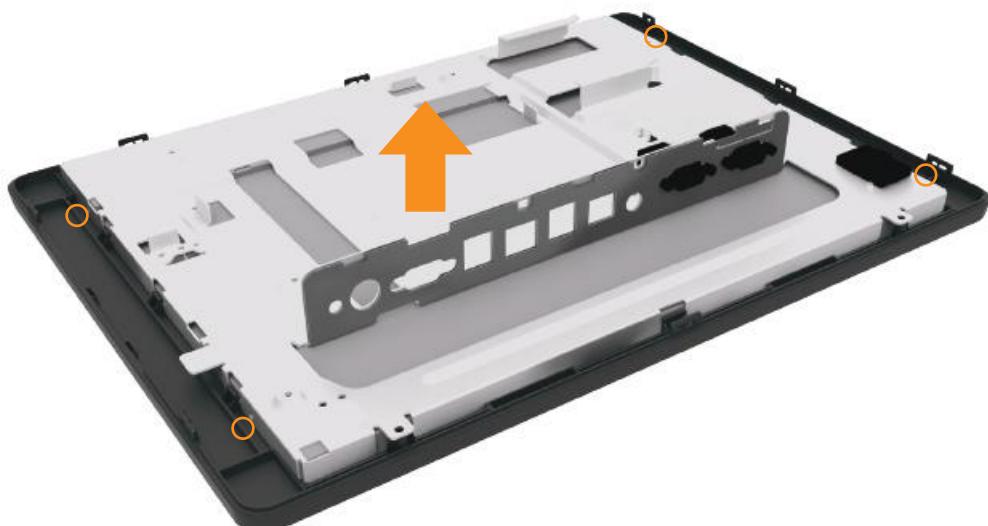


Part 4. System Extension & Disassemble

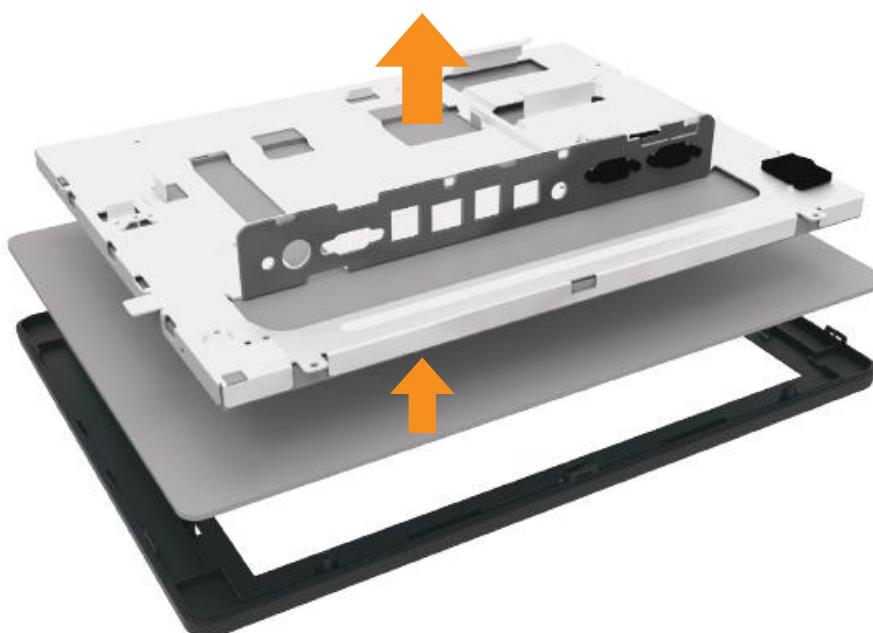
07. Touch Panel & LCD (J6412)

3. Disassemble four screws located on the side of display bracket.

4. Lift up the display bracket to separate it from LCD.



5. Disassemble display and touch panel.



- Please be cautious to prevent cables from being damaged during the process.
- Due to pressure between touch panel and LCD, the touch panel could suddenly fall from LCD.
- Please be cautious to prevent from any kind of damage.
- After disassemble, be cautious to prevent foreign substance to get on LCD or touch part of the monitor or have external damage.



Appendix A. BIOS Set Up

01. Understanding BIOS

• Understanding BIOS Set up

BIOS provides configuration and set up information for driving the main board. BIOS values are saved in CMOS ROM on the main board. BIOS(Basic Input and Output System) Setup is a menu-oriented software utility which enables a user to configure the system's environmental set up, system hardware, power saving functions, etc. BIOS Set up values can seriously affect how the system works. Therefore, users should determine all options regarding BIOS Set up and configure the system accordingly.

Entering the Setup

- Turn on the system and the system will show Press to enter SETUP message.
- When this message show up, press or <Delete> key to enter SETUP screen. (Touch the 'Setup' message)



Cases of BIOS Setup

- When checking HDD type and capacity after HDD replacement
- When changing booting sequence
- When reflecting user's need on the setup
- When setting or changing a password

Appendix A. BIOS Set Up

02. Serial voltage change & Using Keyboard shortcut

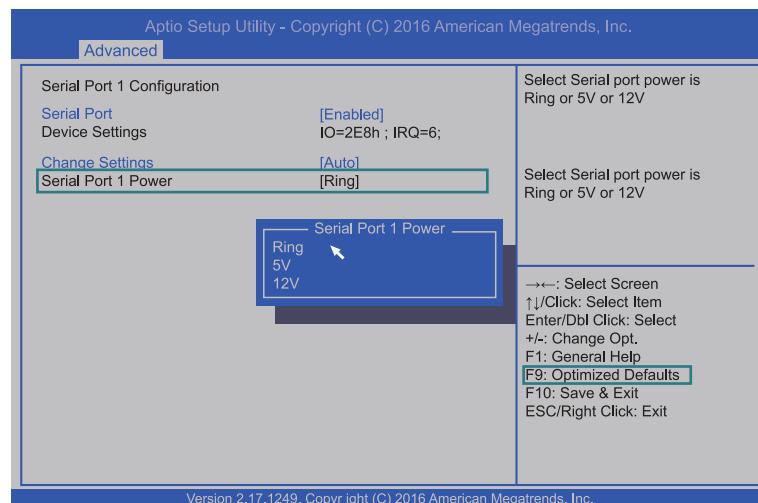
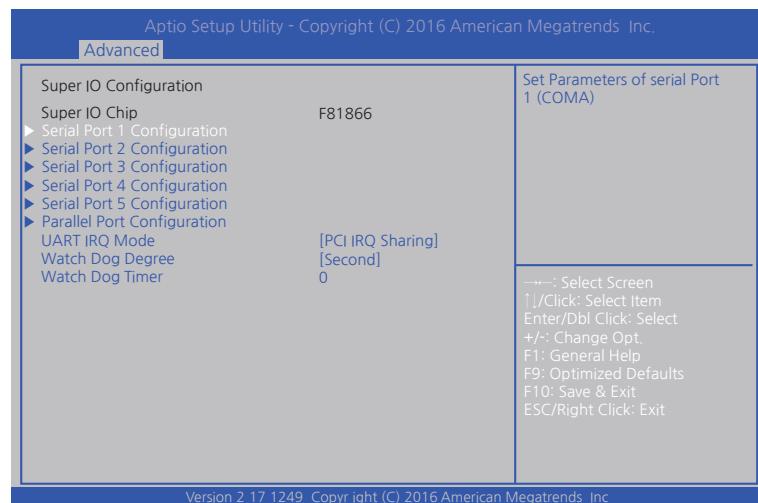
1. Advanced Menu

Use this menu to set up for system performance.

- Advanced > Onboard Device Configuration > COM port 'n' power delivery
 - : This item allows you to set the output voltage value of Serial port 1/2 PIN9 type
 - This item allows you to set the output voltage value of Serial port 3 PIN1 type

2. Using keyboard shortcut

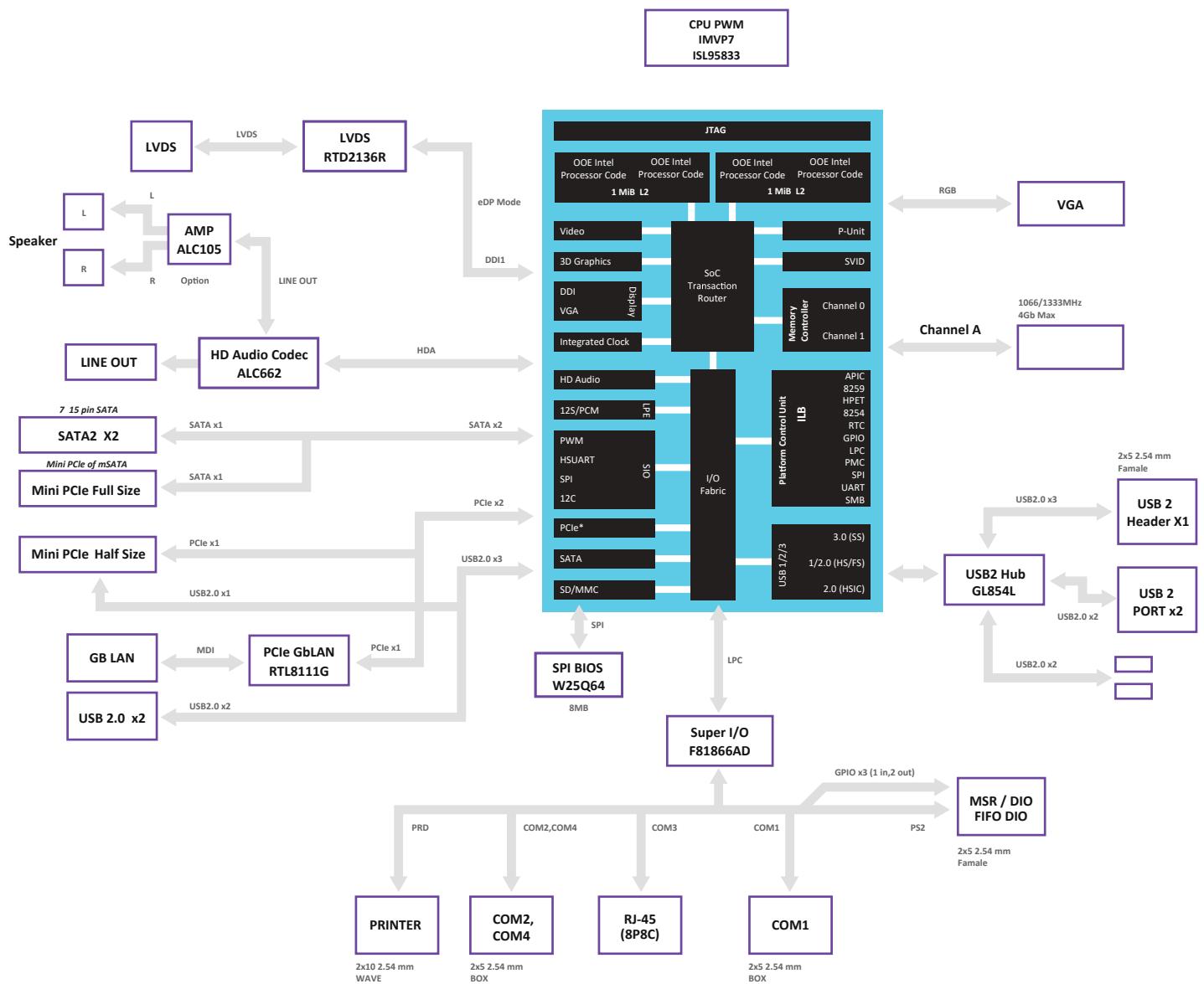
- Press key 'F9' on the keyboard, it is initialized.



Appendix B. System Configuration

01. System Block Diagram

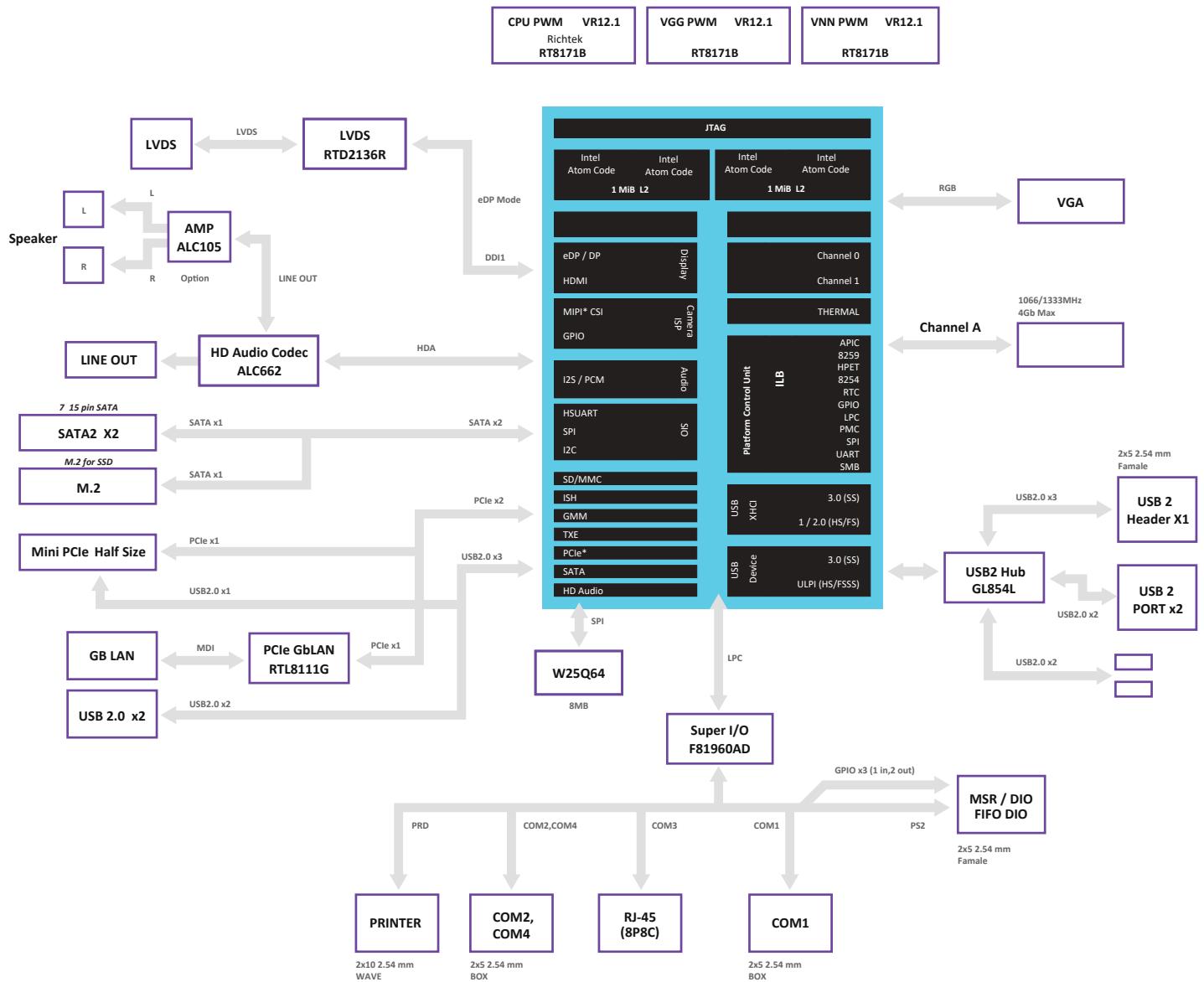
- BAYTRAIL(N2807 / J1900) System Block Diagram



Appendix B. System Configuration

01. System Block Diagram

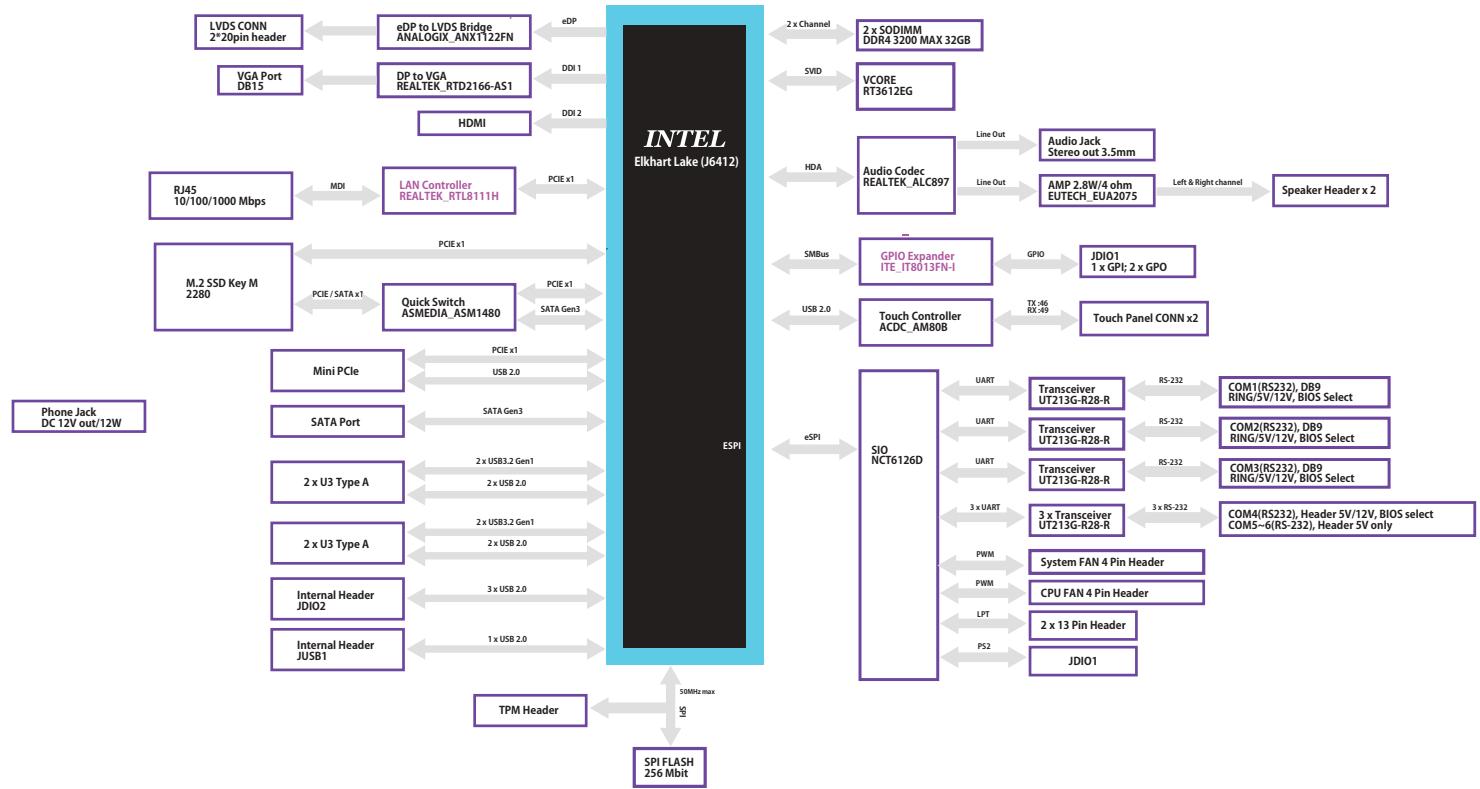
- BRASWELL(N3160) System Block Diagram



Appendix B. System Configuration

01. System Block Diagram

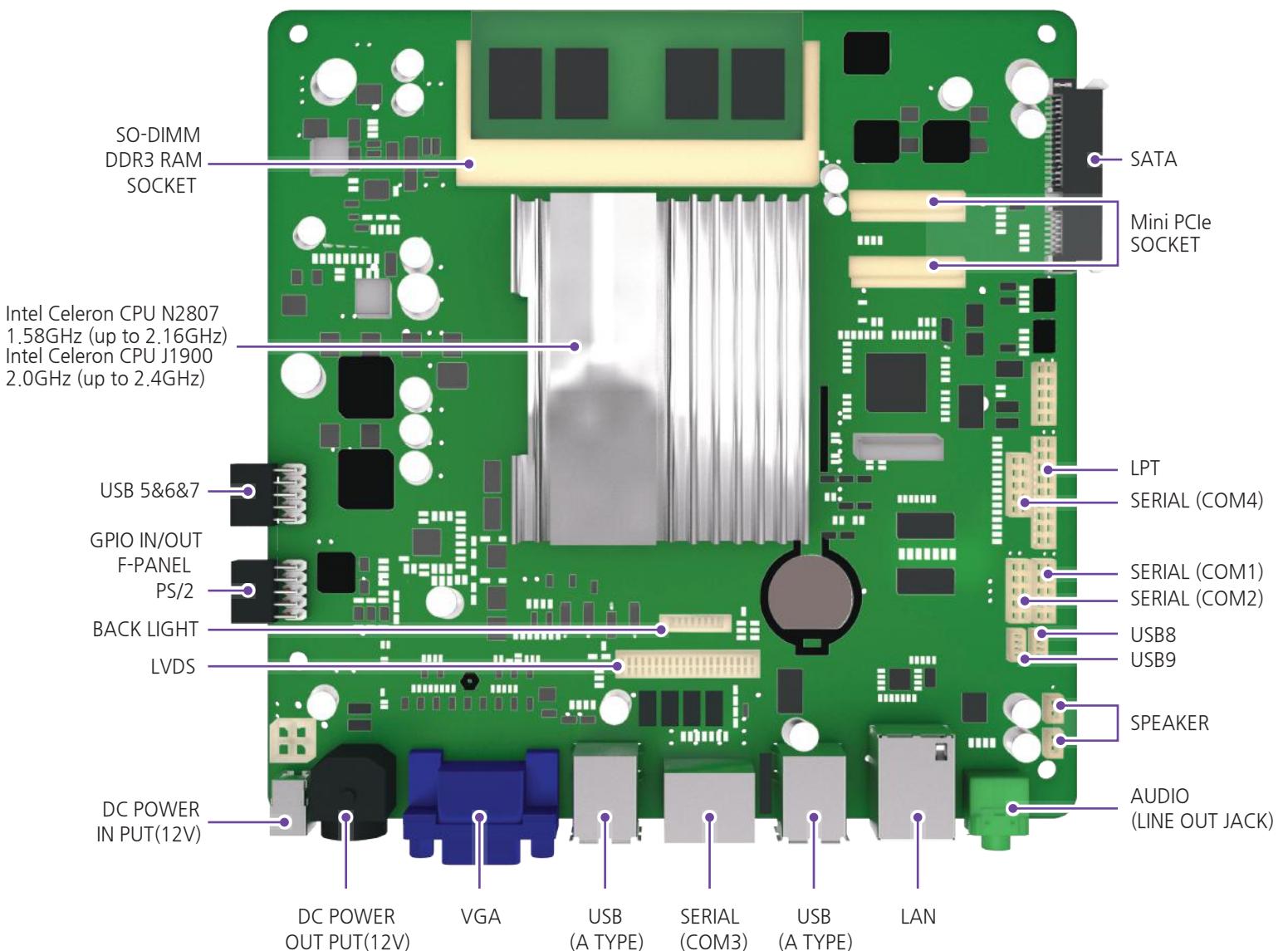
- Elkhart Lake (J6412) System Block Diagram



Appendix B. System Configuration

02. Main Chipset & Connector

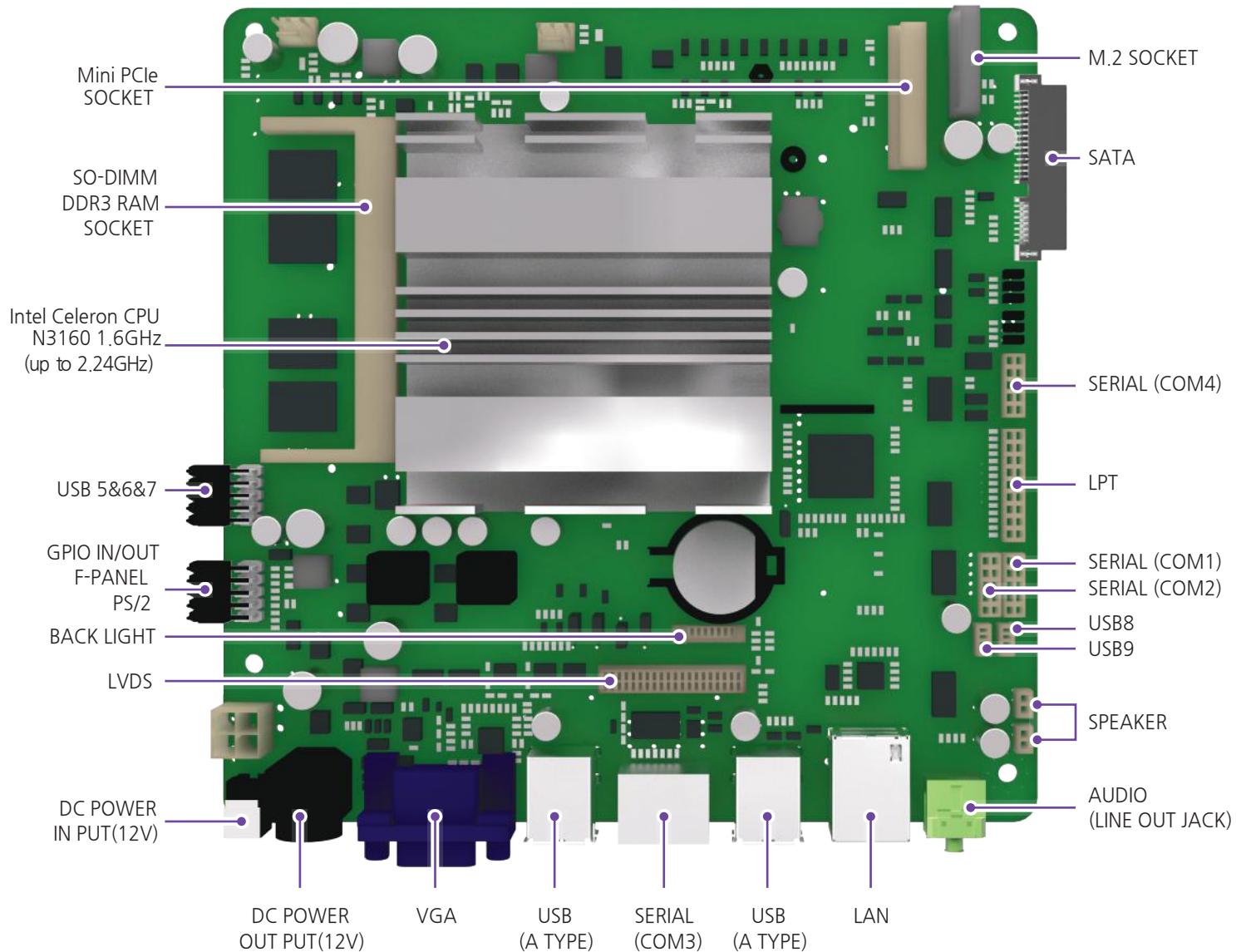
- BAYTRAIL(N2807 / J1900) Main Chipset & Connector



Appendix B. System Configuration

02. Main Chipset & Connector

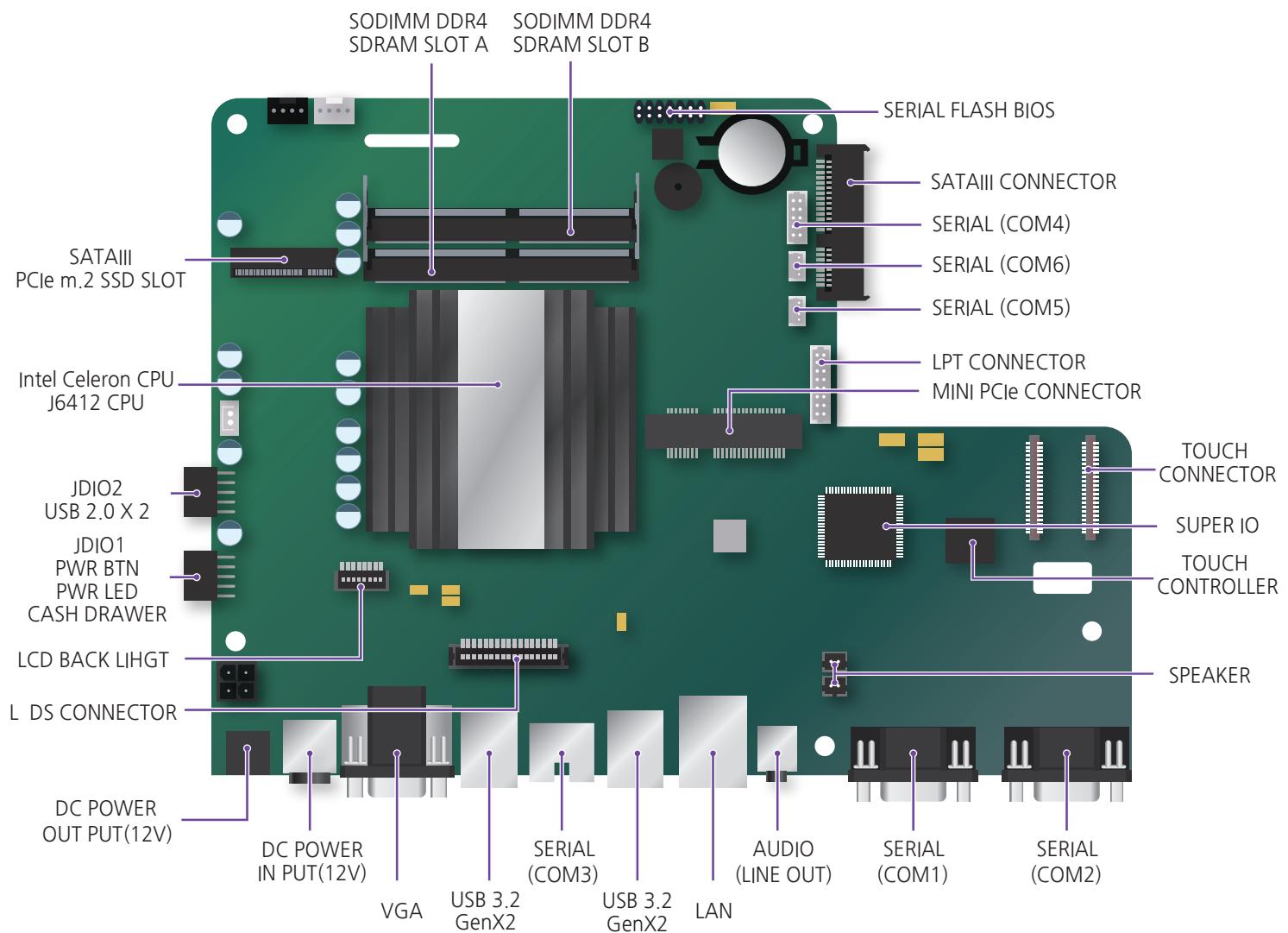
- BRASWELL(N3160) Main Chipset & Connector



Appendix B. System Configuration

02. Main Chipset & Connector

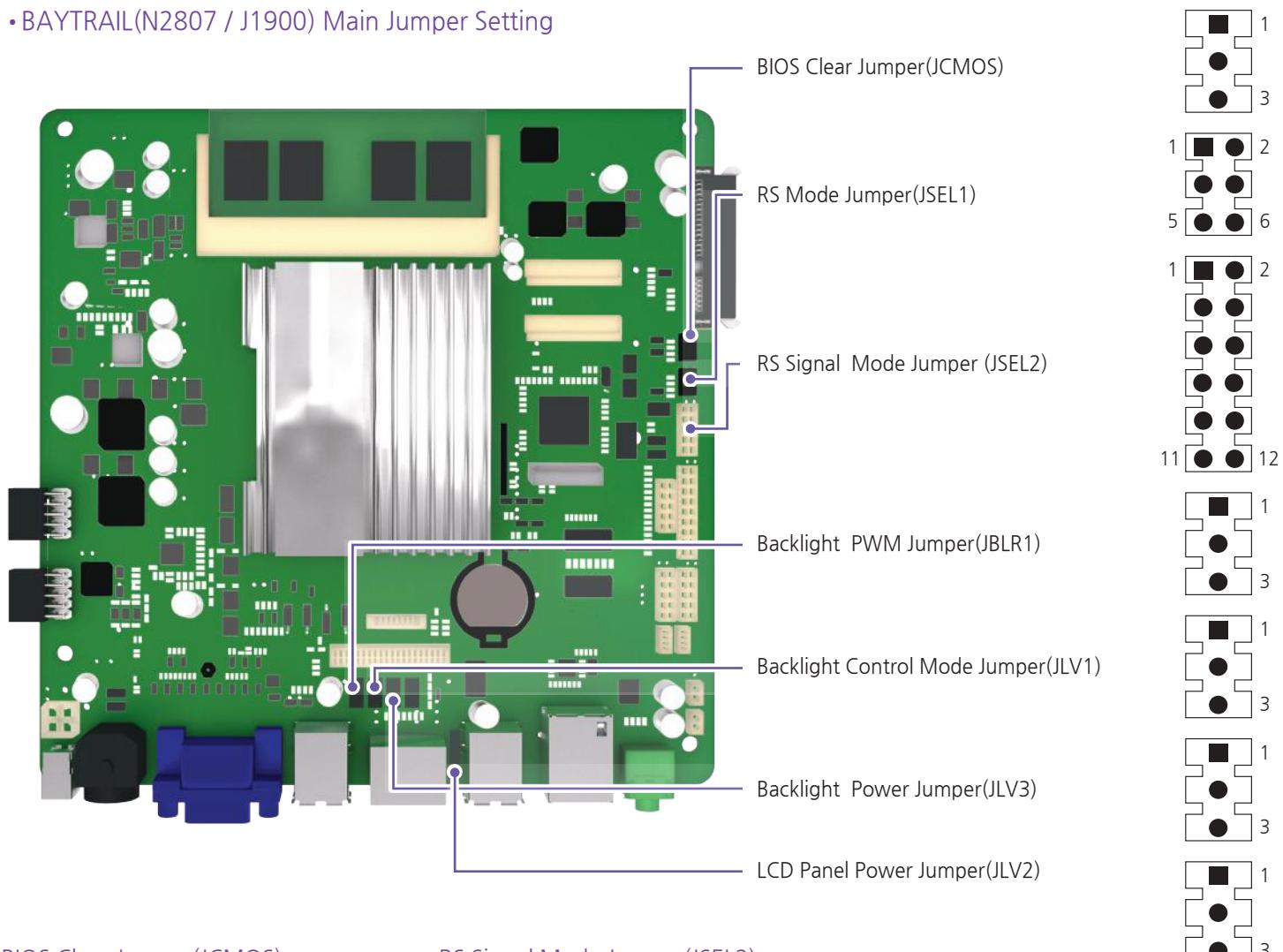
- Elkhart Lake (J6412) Main Chipset & Connector



Appendix B. System Configuration

03. Main Jumper Setting

•BAYTRAIL(N2807 / J1900) Main Jumper Setting



BIOS Clear Jumper(JCMOS)

Jumper Setting	Mode
1-2 Short	Normal Operation(Default)
2-3 Short	CMOS Clear

RS Signal Mode Jumper (JSEL2)

Jumper Setting	Mode
1-3/2-4/7-9/8-10 Short	RS-232(Default)
3-5/4-6/9-11/10-12 Short	RS-422
3-5/4-6/9-11/10-12 Short	RS-485

RS Mode Jumper(JSEL1)

Jumper Setting	Mode
1-2 Short	RS-232(Default)
3-4 Short	RS-422
5-6 Short	RS-485

Backlight Control Mode Jumper(JLV1)

Jumper Setting	Mode
1-2 Short	Voltage Level
2-3 Short	PWM(Default)

Backlight PWM Jumper(JBLR1)

Jumper Setting	Mode
1-2 Short	Reverse
2-3 Short	Forward(Default)

LCD Panel Power Jumper(JLV2)

Jumper Setting	Mode
1-2 Short	3.3V(Default)
2-3 Short	5V

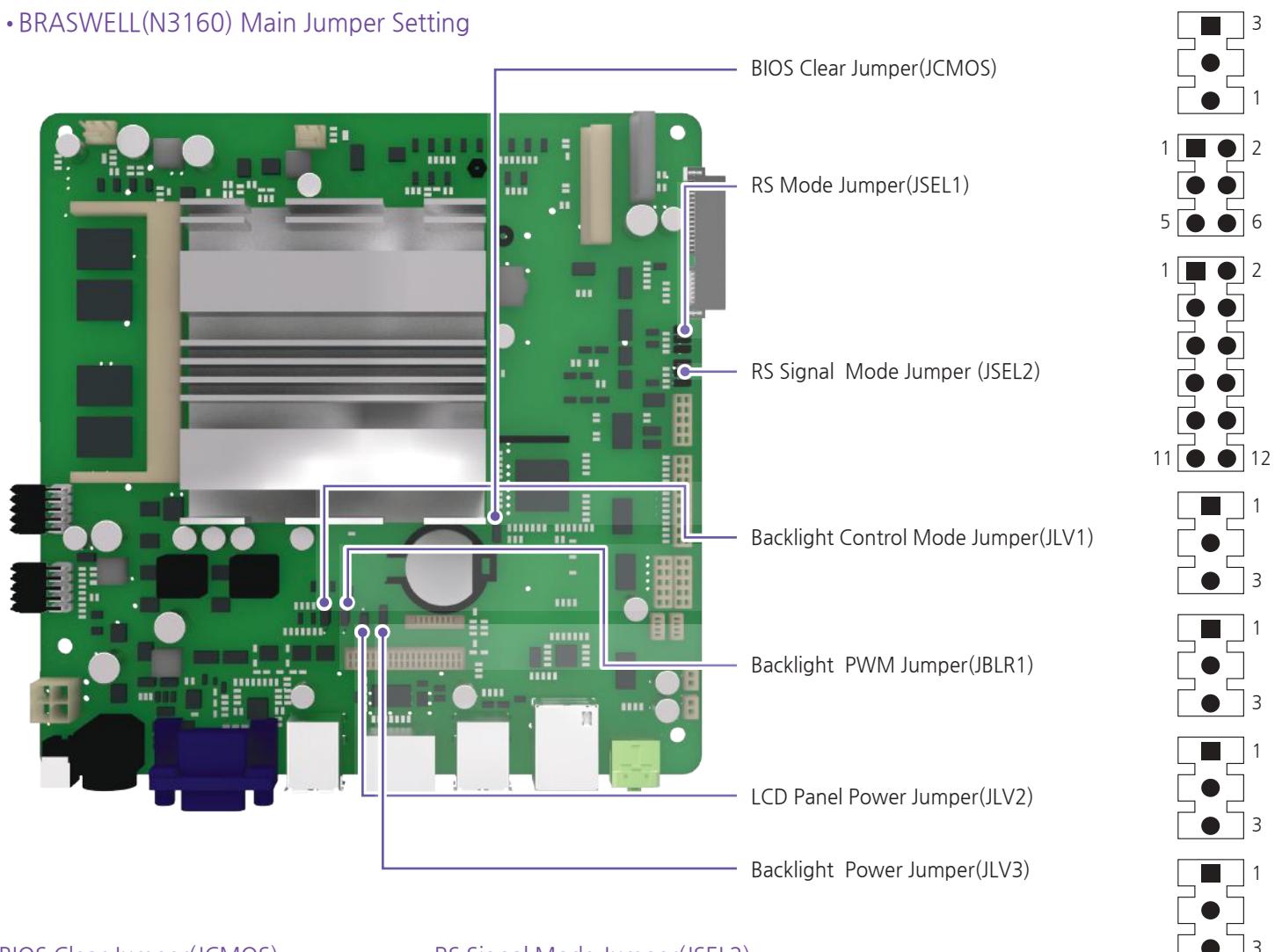
Backlight Power Jumper(JLV3)

Jumper Setting	Mode
1-2 Short	5V
2-3 Short	12V(Default)

Appendix B. System Configuration

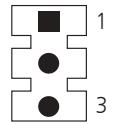
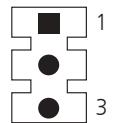
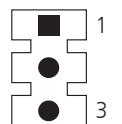
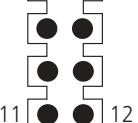
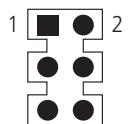
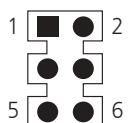
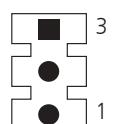
03. Main Jumper Setting

• BRASWELL(N3160) Main Jumper Setting



BIOS Clear Jumper(JCMOS)

RS Signal Mode Jumper(JSEL2)



RS Mode Jumper(JSEL1)

Backlight Control Mode Jumper(JLV1)

Jumper Setting	Mode
1-2 Short	RS-232(Default)
3-4 Short	RS-422
5-6 Short	RS-485

Jumper Setting	Mode
1-2 Short	Voltage Level
2-3 Short	PWM(Default)

Backlight PWM Jumper(JBLR1)

LCD Panel Power Jumper(JLV2)

Backlight Power Jumper(JLV3)

Jumper Setting	Mode
1-2 Short	Reverse
2-3 Short	Forward(Default)

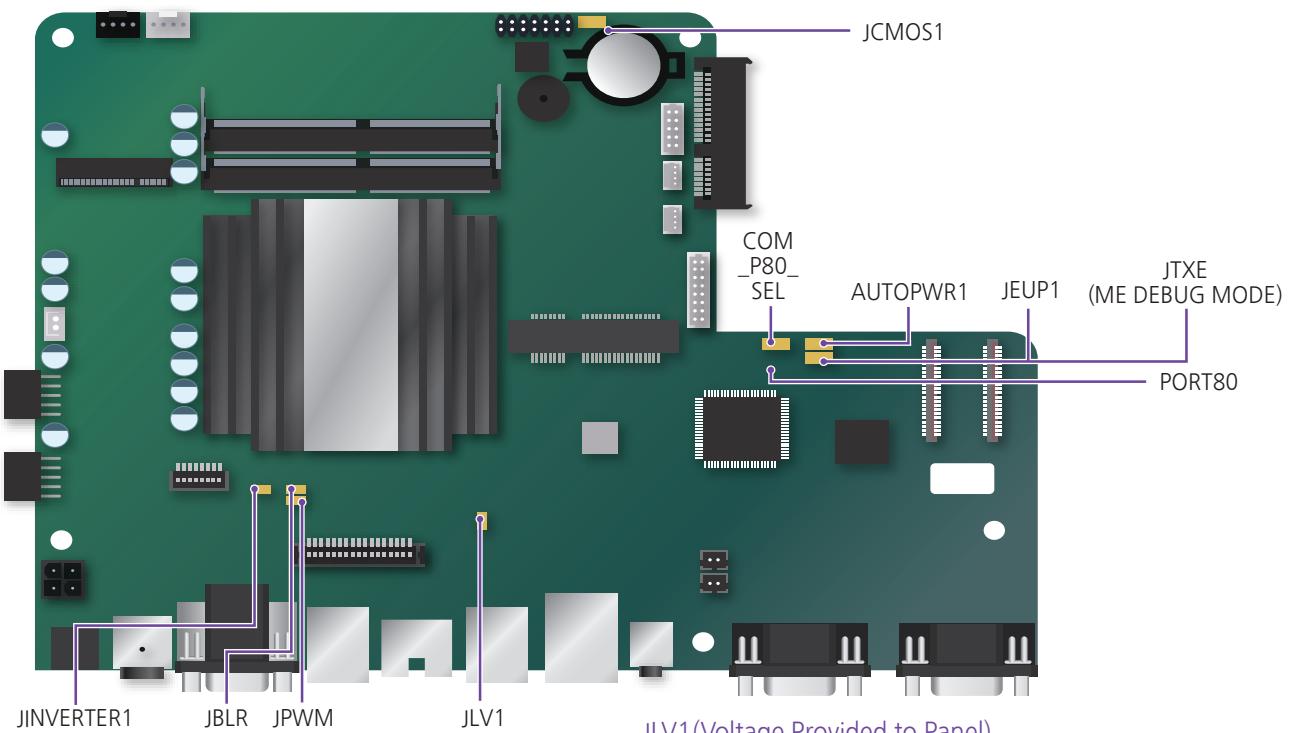
Jumper Setting	Mode
1-2 Short	3.3V(Default)
2-3 Short	5V

Jumper Setting	Mode
1-2 Short	5V
2-3 Short	12V(Default)

Appendix B. System Configuration

03. Main Jumper Setting

- Elkhart Lake (J6412) Main Jumper Setting



JINVERTER1 (Voltage Provided to Panel Backlight)

Function	Jumper Pin
5V	1 - 2
12V	2 - 3(Default)

JBLR(panel Backlight PWM polarity)

Function	Jumper Pin
Reverse	1 - 2
Forward	2 - 3(Default)

JPWM(panel Backlight mode Selection)

Function	Jumper Pin
Voltage mode	1 - 2
PWM mode	2 - 3(Default)

JEUP(EUP Supported/Unsupported)

Function	Jumper Pin
EUP	1 - 2
Non-EUP	2 - 3(Default)

JCMOS1

Function	Jumper Pin
Normal	1 - 2 (Default)
Clear	2 - 3

JLV1(Voltage Provided to Panel)

Function	Jumper Pin
3.3V	1 - 2 (Default)
5V	3 - 4
12V	5 - 6

JTxE(ME debug mode)

Function	Jumper Pin
ME Unlock	1 - 2
ME Lock	No Jumper

AUTOPWR1(Auto power on)

Function	Jumper Pin
ATX	1 - 2 (Default)
AT	2

PORT80

Function	Jumper Pin
Non-O_COMC_TXD	1 - 2 (Default)
O_COMC_TXD	2 - 3

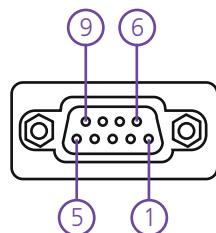
COM_P80_SEL

Function	Jumper Pin
COM_FUNCTION	1 - 2
P80_FUNCTION	2 - 3

Appendix B. System Configuration

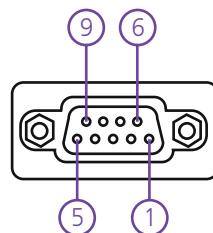
04. IO Pin map

- COM1/2 RS-232 Serial Port
(DSUB9 MALE)



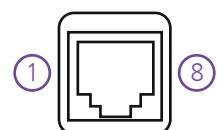
Pin Num	Description
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	Ring / +5V / +12V

- COM1 RS-422/485 Serial Port
(DSUB9 MALE)

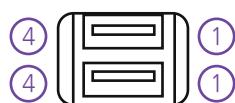


Pin Num	Description
1	TXD-
2	TXD+
3	RXD+
4	RXD-
5	N.C
6	N.C
7	N.C
8	N.C
9	N.C

- COM3 RS-232 Serial Port(RJ45)



- USB Port(TYPE A)



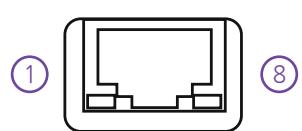
Pin Num	Description
1	VSUB(+5V)
2	D-
3	D+
4	GND

- Cash Drawer Port(RJ11)



Pin Num	Description
1	GND
2	DRAWER#1
3	DRW_COMP
4	VDRW(+12V / +24V)
5	DRAWER#2
6	GND

- LAN Port(RJ45)



Pin Num	Description
1	MDI [0] +
2	MDI [0] -
3	MDI [1] +
4	MDI [1] -
5	MDI [2] +
6	MDI [2] -
7	MDI [3] +
8	MDI [3] -

Appendix B. System Configuration

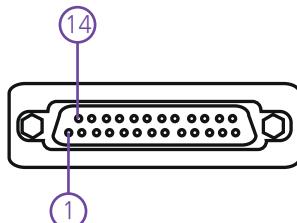
04. IO Pin map

- Power Selection Switch for Cash Drawer



Switch Selection	Voltage
OFF	12V (Default)
ON	24V

- Parallel Port(D-SUB25 FEMALE)

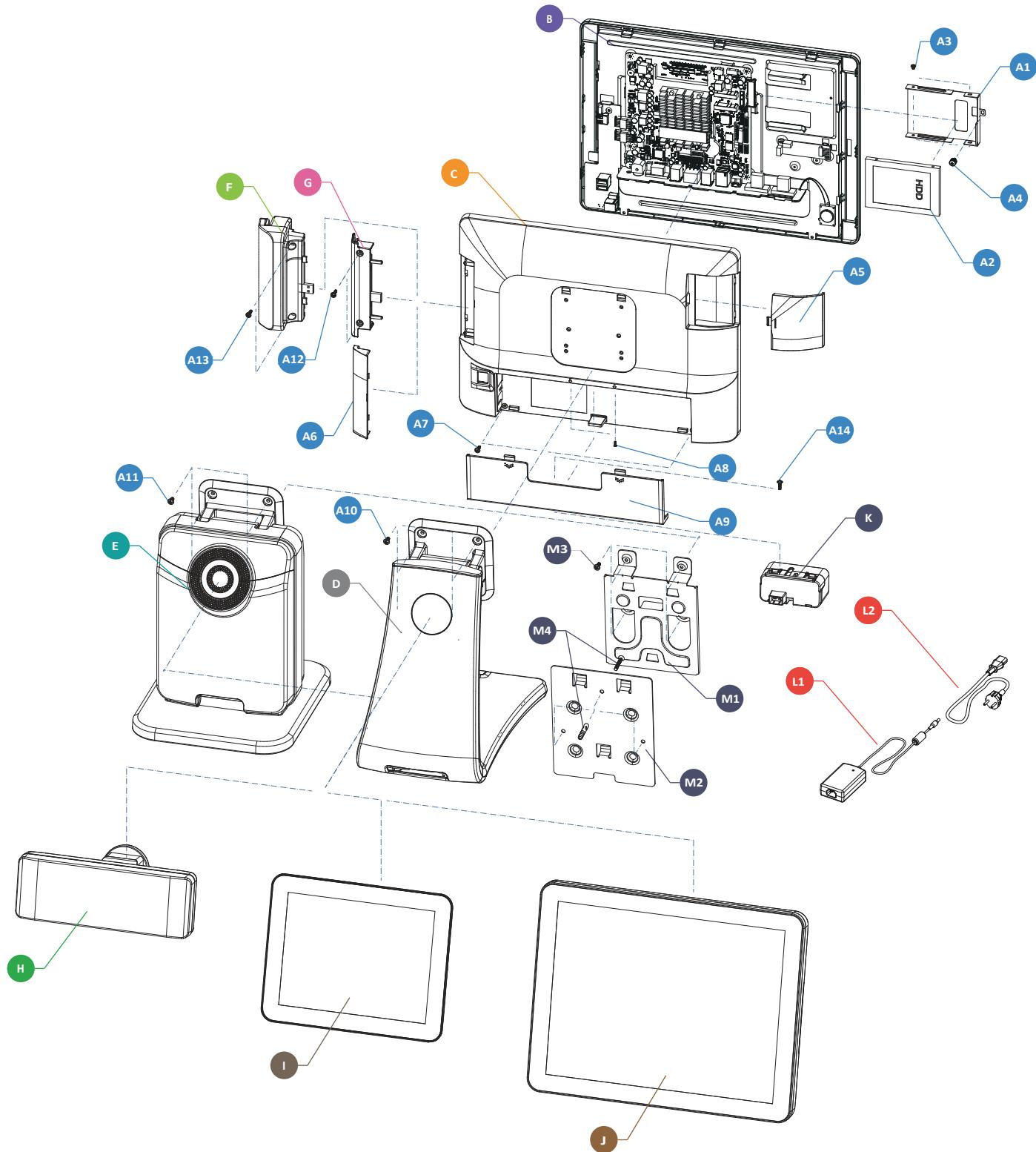


Pin Num	SPP	ECP	EPP	In/Out
1	/STROBE	/STROBE	/WRITE	I/O
2	PDO	PDO	PDO	I/O
3	PD1	PD1	PD1	I/O
4	PD2	PD2	PD2	I/O
5	PD3	PD3	PD3	I/O
6	PD4	PD4	PD4	I/O
7	PD5	PD5	PD5	I/O
8	PD6	PD6	PD6	I/O
9	PD7	PD7	PD7	I/O
10	/ACK	/ACK	NTR	I
11	BUSY	BUSY,PERIPHACK	/WAIT	I
12	PERROR	PE./ACKREVERSE	PE	I
13	SELECT	SELECT	SELECT	I
14	/AUTOFD	/AUTOFD,HOSTACK	/DATASTB	O
15	/FAULT	/FAULT,/PERIPHREQST	/FAULT	I
16	/INIT	/FAULT,/REVERSEQST	/RESET	O
17	/SLCTIN	/SLCTIN	/ADDRSTB	O
18-25	GND	GND	GND	-

Appendix B. System Configuration

05. Parts List

- MAIN



Appendix B. System Configuration

05. Parts List

NO	PART CODE	PARTS NAME	Q'TY	Serviceable	REMARK
A1	JK91-10098A	HOLDER HDD	1	Y	
A2	JK95-70209A	UNIT-HDD:2.5", 320G	1	Y	
	JK95-70615E	UNIT-SSD:2.5", 64G			
A3	S600100031A	SCREW-MACHINE:FH,M3,L4	4	Y	
A4	S600100037A	SCREW-MACHINE COIN:M3,L4	1	Y	
A5	JK72-21058A	PMO-COVER HDD, WHITE	1	Y	
	JK72-21058B	PMO-COVER HDD, BLACK			
A6	JK72-21057A	PMO-DUMMY MSR, WHITE	1	Y	
	JK72-21057B	PMO-DUMMY MSR, BLACK			
A7	S600200005A	SCREW-TAPPING:PWH,M3,L10	2	Y	
A8	S600100044A	SCREW-MACHINE:BH,M3,L5	2	Y	
A9	JK72-21059A	PMO-COVER WIRE, WHITE	1	Y	
	JK72-21059B	PMO-COVER WIRE, BLACK			
A10	S600100039A	SCREW-MACHINE;PWH,M4,L8,WHITE	4	Y	
A11	S600100039A	SCREW-MACHINE;PWH,M4,L8,WHITE	4	Y	
A12	S600200014A	SCREW-TAPPING:PWH,M3,L12	2	Y	F
A13	S600200014A	SCREW-TAPPING:PWH,M3,L12	2	Y	G
B	JK91-20063B	ASSY-MAIN FRONT (NORMAL)	1	Y	
	JK91-20065B	ASSY-MAIN FRONT (PCT)			
C	JK95-70803A	ASSY-COVER REAR, WHITE	1	Y	
	JK95-70803B	ASSY-COVER REAR, BLACK			
D	JK95-70804A	ASSY-STAND, WHITE+BLACK	1	Y	
	JK95-70804B	ASSY-STAND, BLACK			
E	JK95-70808A	ASSY-V STAND, WHITE	1	Y	
	JK95-70808B	ASSY-V STAND, BLACK			
F	-	ASSY-MSR&IC READER	1	Y	OPTION
G	JK95-70609B	ELA-UNIT MSR	1	Y	OPTION
H	QCD-STSV202W	ASSY-VFD DISPLAY(CHARACTER), WHITE	1	Y	OPTION
	QCD-STSV202B	ASSY-VFD DISPLAY(CHARACTER), BLACK			
	QCD-STSG256W	ASSY-VFD DISPLAY(GRAPHIC), WHITE			
	QCD-STSG256B	ASSY-VFD DISPLAY(GRAPHIC), BLACK			
	QCD-STVV202W	ASSY-VFD DISPLAY(CHARACTER), WHITE			OPTION (V STAND)
	QCD-STVV202B	ASSY-VFD DISPLAY(CHARACTER), BLACK			
	QCD-STVG256W	ASSY-VFD DISPLAY(GRAPHIC), WHITE			
	QCD-STVG256B	ASSY-VFD DISPLAY(GRAPHIC), BLACK			
I	SCD-100/DTSNNWN	ASSY-9.7"DUAL DISPLAY, WHITE	1	Y	OPTION
	SCD-100/DTSNNBN	ASSY-9.7"DUAL DISPLAY, BLACK			
	SCD-100/DTVNNWN	ASSY-9.7" DUAL MONITOR, WHITE			OPTION (V STAND)
	SCD-100/DTVNNBN	ASSY-9.7" DUAL MONITOR, BLACK			

Appendix B. System Configuration

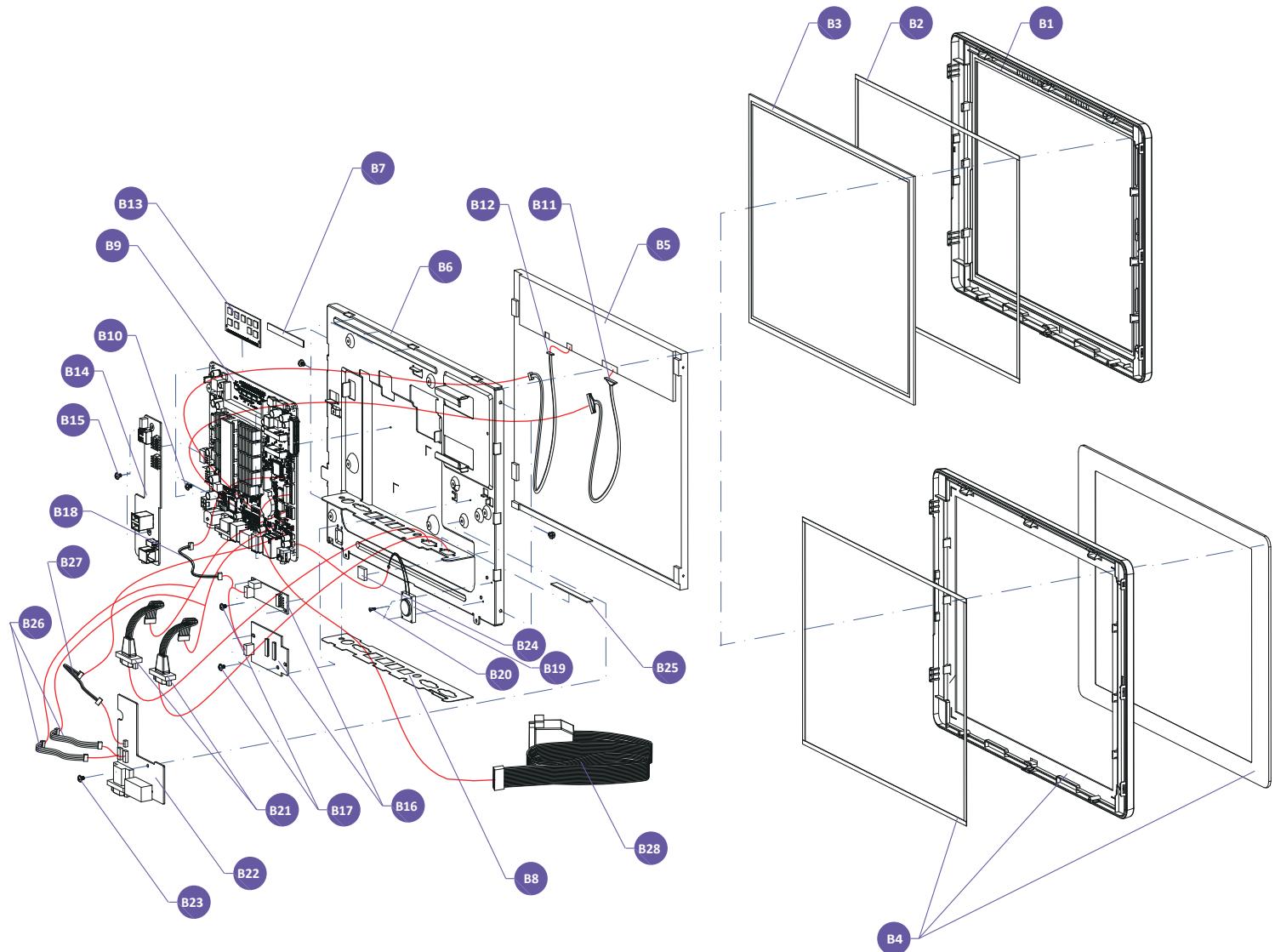
05. Parts List

NO	PART CODE	PARTS NAME	Q'TY	Serviceable	REMARK
J	QCD-STSL15NN*N	15" DAUL MONITOR, NORMAL, NONE TOUCH	1	Y	STANDARD STAND B : BLACK W : WHITE S : BLACK+WHITE
	SCD-150/DTSN**N	15" DAUL MONITOR, FLAT, NONE TOUCH			V STAND B : BLACK W : WHITE S : BLACK+WHITE
	SCD-150/DTSON*B	15" DAUL MONITOR, NORMAL, RESISTIVE TOUCH			
	SCD-150/DTS6N*N	15" DAUL MONITOR, FLAT, PCT TOUCH			
	QCD-STVL15NN*N	15" DAUL MONITOR, NORMAL, NONE TOUCH			
	SCD-150/DTVNN*N	15" DAUL MONITOR, FLAT, NONE TOUCH			
	SCD-150/DTVON*B	15" DAUL MONITOR, NORMAL, RESISTIVE TOUCH			
	SCD-150/DTV6N*N	15" DAUL MONITOR, FLAT, PCT TOUCH			
K	QDK-TS100NW	ASSY-DALLAS,WHITE	1	Y	OPTION (DALLAS)
	QDK-TS100NB	ASSY-DALLAS,BLACK			
	QFP-TS100NW	ASSY-FINGER PRINTER,WHITE			OPTION (FINGER PRINTER)
	QFP-TS100NB	ASSY-FINGER PRINTER,BLACK			
	QFP-TS100MW	ASSY-FINGER PRINTER,WHITE			
	QFP-TS100MB	ASSY-FINGER PRINTER,BLACK			
L1	JK44-10012A	POWER-SMPS:12V/5A,60W	1	Y	
L2	JK39-20004A	CBF POWER CORD	1	Y	EUROPE
	JK39-20004B				USA
	JK39-20004C				UK
	JK39-20004D				AUSTRALIA
	JK39-20004E				KOREA
	JK39-20004F				SOUTH AFRICA
	JK39-20004G				ISRAEL
	JK39-20004H				INDIA
	JK39-20004J				ARGENTINA
M	EWM-TS100	WALL MOUNT	1	Y	OPTION
M1	JK70-20392A	IPR-HOLLDER WALL	1	Y	
M2	JK70-20046A	IPR-BRKT WALL	1	Y	
M3	S600100170A	SCREW-MACHINE:PWH,M4,L10	4	Y	
M4	JK75-20016A	MEC-WALL ANCHOR ASSY	1	Y	

Appendix B. System Configuration

05. Parts List

• BAYTRAIL(N2807/J1900) MAIN FRONT



Appendix B. System Configuration

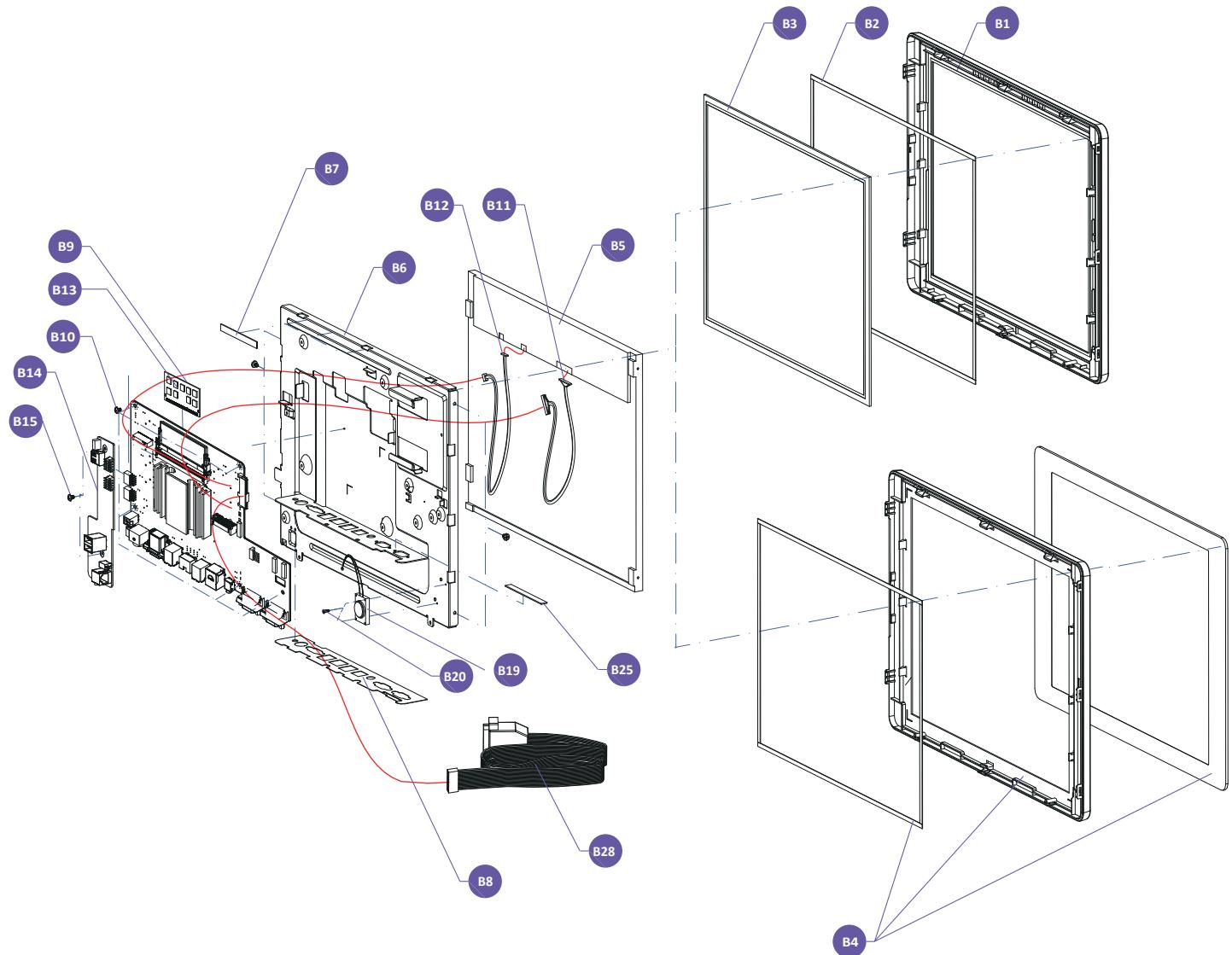
05. Parts List

NO	PART CODE	PARTS NAME	Q'TY	Serviceable	REMARK
B1	JK72-21054A	PMO-FRONT DISPLAY(NORMAL), WHITE	1	Y	RESISTIVE TOUCH
	JK72-21054B	PMO-FRONT DISPLAY(NORMAL), BLACK			
B2	JK73-11019A	RMO-RUBBER TAPE(15S)	2	Y	RESISTIVE TOUCH
	JK73-11019B	RMO-RUBBER TAPE(15L)			
B3	JK95-70169C	ELA-TOUCH PANEL	1	Y	RESISTIVE TOUCH
B4	JK91-20066A	ASSY-FRONT DISPLAY(PCT), WHITE	1	Y	PCT TOUCH
	JK91-20066B	ASSY-FRONT DISPLAY(PCT), BLACK			
B5	JK95-70567A	LCD:PC-POS, LED PANEL	1	Y	
B6	JK70-20442B	IPR-BRKT DISPLAY	1	Y	STANDARD EXTEND COMPORT
	JK70-20442C	IPR-BRKT DISPLAY, SERIAL			
B7	JK70-60033B	RMO-FOAM GASKET	3	Y	
B8	JK68-40320A	LABEL(R)-INTERFACE_L	1	Y	STANDARD EXTEND COMPORT
	JK68-40366A	LABEL(R)-INTERFACE_L,SERIAL			
B9	JK95-70799A	MOTHER BOARD:Celeron, N2807	1	Y	
	JK95-70799B	MOTHER BOARD:Braswell, N3160			
	JK95-70883A	MOTHER BOARD:Baytrail, J1900			
B10	S600100016A	SCREW-MACHINE:PWH,M3,L4	4	Y	
B11	JK39-80042B	HARNESS-LVDS:240mm	1	Y	
B12	JK39-80051A	HARNESS-INVERTER:8P, LED PANEL, 250mm	1	Y	
B13	-	UNIT-DDR3 MEMORY	1	Y	2G / 4G / 8G
B14	JK92-10207B	PBA-SUB:OSD&SERIAL	1	Y	
B15	S600100016A	SCREW-MACHINE:PWH,M3,L4	2	Y	
B16	JK95-70760D	UNIT-CONTROLLER:RESISTIVE	1	Y	RESISTIVE TOUCH PCT TOUCH
	JK95-70760C	UNIT-CONTROLLER:PCT			
B17	S600100016A	SCREW-MACHINE:PWH,M3,L4	2	Y	
B18	JK39-40775A	HARNESS-USB:4P,145mm	1	Y	
B19	S300400005A	UNIT-SPEAKER	1	Y	
B20	S600100024A	SCREW-MACHINE:BH,M2,L6	2	Y	
B21	JK39-80101A	HARNESS-SERIAL:160mm, 10P	2	Y	STANDARD
B22	JK48-10045A	UNIT-EXT COM:SERIAL B'D	1	Y	EXTEND COMPORT
B23	S600100016A	SCREW-MACHINE:PWH,M3,L4	1	Y	EXTEND COMPORT
B24	JK73-30003A	RMO-PAD ADAPTER STOPPER	1	Y	EXTEND COMPORT
B25	JK70-60033B	RMO-FOAM GASKET	1	Y	EXTEND COMPORT
B26	JK39-80122A	HARNESS-SERIAL:EXT-COM,10P,100mm	1	Y	EXTEND COMPORT
B27	JK39-40775A	HARNESS-USB:4P,145mm	1	Y	OPTION
B28	JK39-80102A	HARNESS-PARALLEL:410mm,26P	1	Y	OPTION

Appendix B. System Configuration

05. Parts List

- Elkhart Lake (J6412) MAIN FRONT



Appendix B. System Configuration

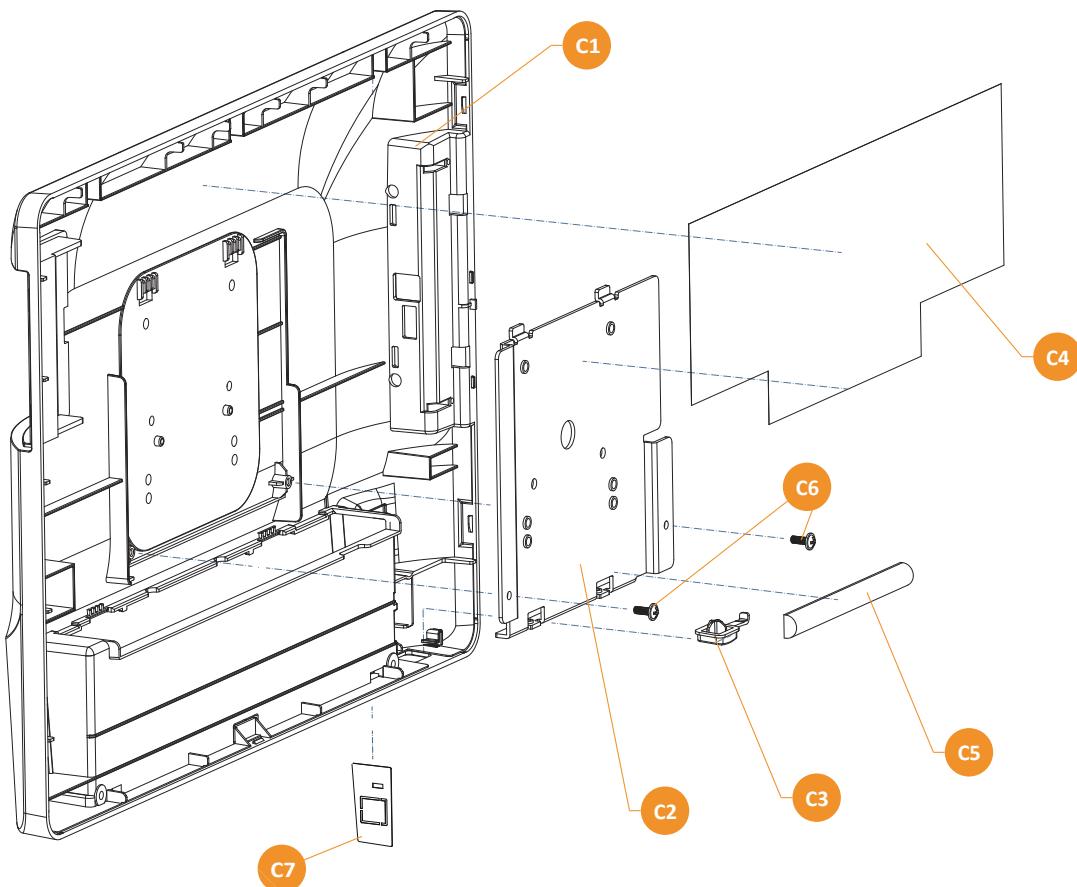
05. Parts List

NO	PART CODE	PARTS NAME	Q'TY	Serviceable	REMARK
B1	JK72-21054A	PMO-FRONT DISPLAY(NORMAL), WHITE	1	Y	RESISTIVE TOUCH
	JK72-21054B	PMO-FRONT DISPLAY(NORMAL), BLACK			
B2	JK73-11019A	RMO-RUBBER TAPE(15S)	2	Y	RESISTIVE TOUCH
	JK73-11019B	RMO-RUBBER TAPE(15L)			
B3	JK95-70169C	ELA-TOUCH PANEL	1	Y	RESISTIVE TOUCH
B4	JK91-20066A	ASSY-FRONT DISPLAY(PCT), WHITE	1	Y	PCT TOUCH
	JK91-20066B	ASSY-FRONT DISPLAY(PCT), BLACK			
B5	JK95-70567A	LCD:PC-POS, LED PANEL	1	Y	
B6	JK70-20442B	IPR-BRKT DISPLAY	1	Y	STANDARD EXTEND COMPORT
	JK70-20442C	IPR-BRKT DISPLAY, SERIAL			
B7	JK70-60033B	RMO-FOAM GASKET	3	Y	
B8	JK68-40320A	LABEL(R)-INTERFACE_L	1	Y	STANDARD EXTEND COMPORT
	JK68-40366A	LABEL(R)-INTERFACE_L,SERIAL			
B9	JK95-70971A	UNIT-MOTHER B D;TITAN-S500,ASUS,ROHS	1	Y	
B10	S600100016A	SCREW-MACHINE:PWH,M3,L4	5	Y	
B11	JK39-80042B	HARNESS-LVDS:240mm	1	Y	
B12	JK39-80051A	HARNESS-INVERTER:8P, LED PANEL, 250mm	1	Y	
B13	-	UNIT-DDR4	1	Y	4G ~ 16G x 2
B14	JK92-10207B	PBA-SUB:OSD&SERIAL	1	Y	
B15	S600100016A	SCREW-MACHINE:PWH,M3,L4	2	Y	
B19	S300400005A	UNIT-SPEAKER	1	Y	
B20	S600100024A	SCREW-MACHINE:BH,M2,L6	2	Y	
B25	JK70-60033B	RMO-FOAM GASKET	1	Y	
B28	JK39-80102A	HARNESS-PARALLEL:410mm,26P	1	Y	OPTION

Appendix B. System Configuration

05. Parts List

• COVER REAR

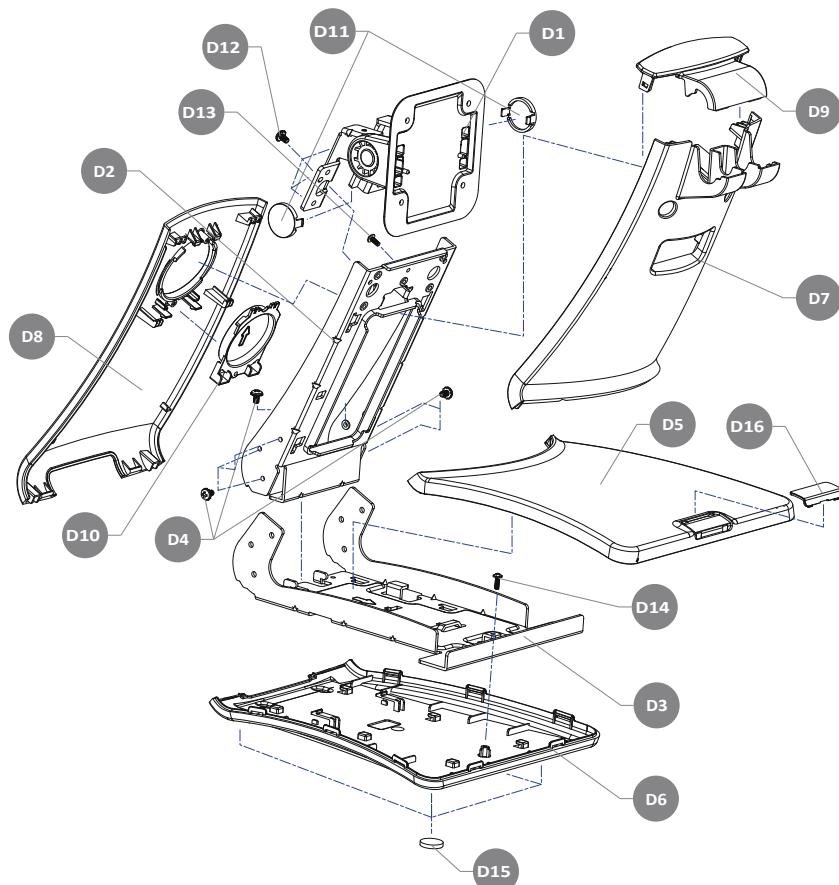


NO	PART CODE	PARTS NAME	Q'TY	Serviceable	REMARK
C	JK95-70803A	ASSY-COVER REAR, WHITE	1	Y	DRAWER
	JK95-70803B	ASSY-COVER REAR, BLACK			
	JK95-70803F	ASSY-COVER REAR, COM4, WHITE			
	JK95-70803G	ASSY-COVER REAR, COM4, BLACK			COMPORT
C1	JK72-21056A	PMO-REAR_DISPLAY, WHITE	1	Y	
	JK72-21056B	PMO-REAR_DISPLAY, BLACK			
C2	JK70-20443B	IPR-BRKT COVER_REAR	1	Y	
C3	JK72-21060A	PMO-BUTTON_POWER	1	Y	
C4	JK68-40321A	LABEL(R)-COPPER TAPE	1	Y	
C5	JK70-60033A	RMO-FOAM GASKET(D)	1	Y	
C6	S600200006A	SCREW-TAPPING:PWHL,M3,L8	2	Y	
C7	JK68-40326A	LABEL(R)-INTERFACE_R(DRW)	1	Y	DRAWER
	JK68-40356A	LABEL(R)-INTERFACE_R(COM)			COMPORT

Appendix B. System Configuration

05. Parts List

• STAND

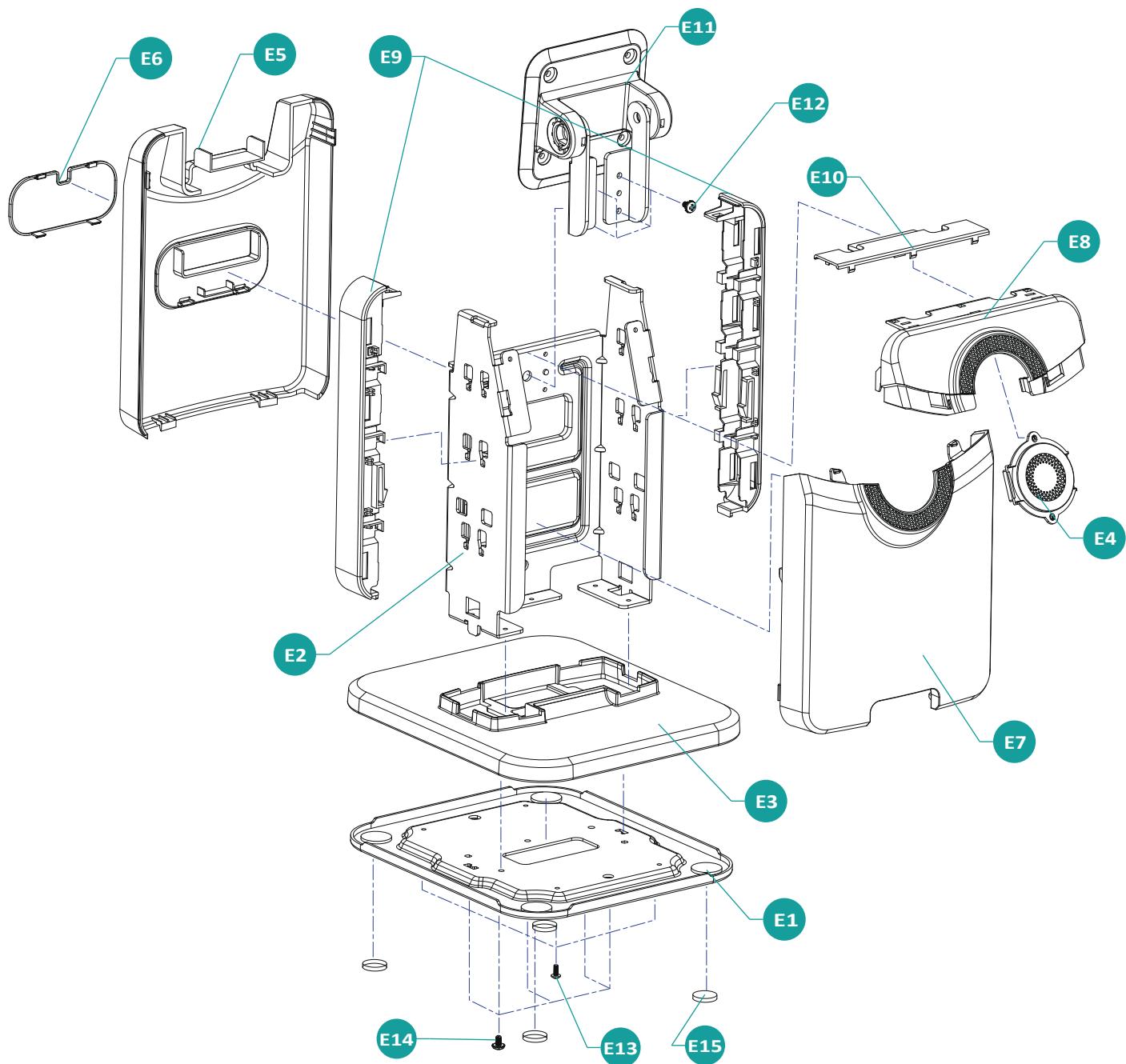


NO	PART CODE	PARTS NAME	Q'TY	Serviceable	REMARK
D1	JK75-40017A	MAIN-HINGE ASSY, WHITE	1	Y	
	JK75-40017B	MAIN-HINGE ASSY, BLACK			
D2	JK70-20440B	IPR-FRAME STAND	1	Y	
D3	JK70-20441B	IPR-BASE STAND	1	Y	
D4	S600600007A	SCREW-ASSY MACH:BH,M4,L8	8	Y	
D5	JK72-21047B	PMO-COVER BASE	1	Y	
D6	JK72-21048A	PMO-COVER BOTTOM, WHITE	1	Y	
	JK72-21048B	PMO-COVER BOTTOM, BLACK			
D7	JK72-21049A	PMO-COVER FRONT, WHITE	1	Y	
	JK72-21049B	PMO-COVER FRONT, BLACK			
D8	JK72-21050*	PMO-COVER REAR, WHITE	1	Y	BRAND LOGO
		PMO-COVER REAR, BLACK			
D9	JK72-21051A	PMO-COVER COVER TOP, WHITE	1	Y	
	JK72-21051B	PMO-COVER COVER TOP, BLACK			
D10	JK72-21052A	PMO-DUMMY MOUNT, WHITE	1	Y	
	JK72-21052B	PMO-DUMMY MOUNT, BLACK			
D11	JK72-21063A	PMO-CAP HINGE, WHITE	2	Y	
	JK72-21063B	PMO-CAP HINGE, BLACK			
D12	S600600007A	SCREW-ASSY MACH:BH,M4,L8	4	Y	
D13	S600200006A	SCREW-TAPPING:M3, L8	1	Y	
D14	S600200006A	SCREW-TAPPING:M3, L8	1	Y	
D15	JK73-11023A	RMO-FOOT RUBBER	4	Y	
D16	JK72-20551*	PMO-BRAND FRONT	1	Y	BRAND LOGO

Appendix B. System Configuration

05. Parts List

• V STAND



Appendix B. System Configuration

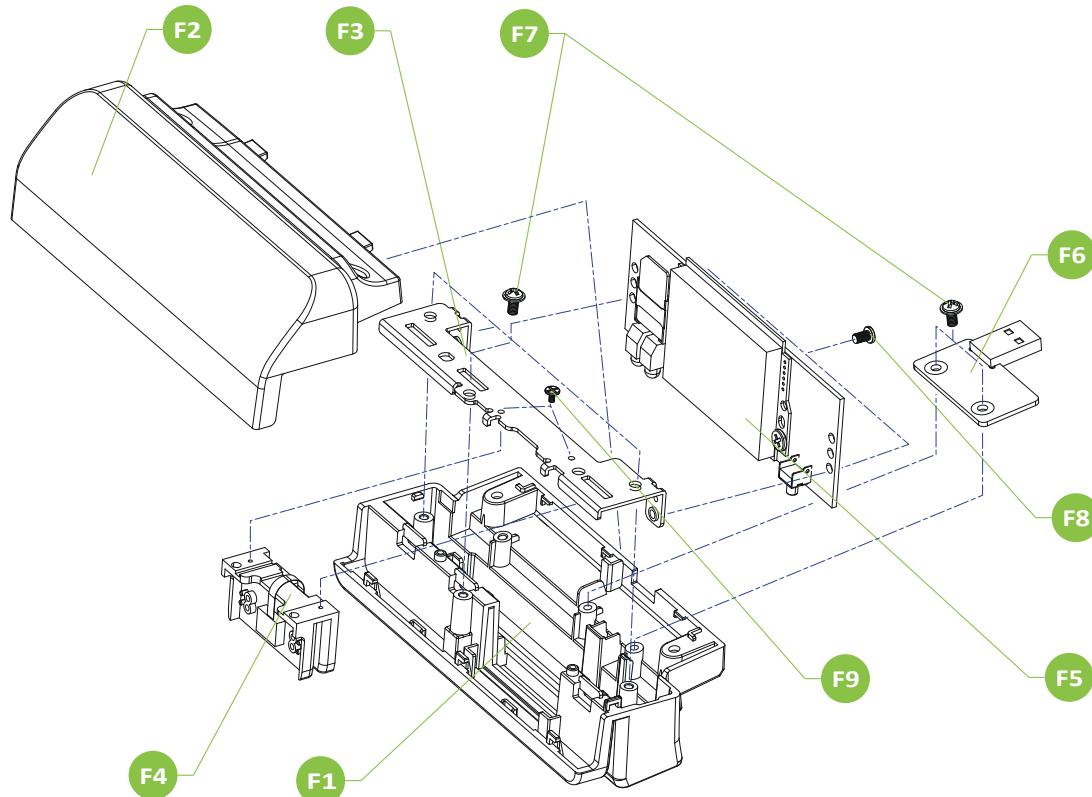
05. Parts List

NO	PART CODE	PARTS NAME	Q'TY	Serviceable	REMARK
E1	JK70-20450B	IPR-FRAME BOTTOM	1	Y	
E2	JK70-20451B	IPR-FRAME MAIN	1	Y	
E3	JK72-21067A	PMO-STAND COVER BOTTOM, WHITE	1	Y	
	JK72-21067B	PMO-STAND COVER BOTTOM, BLACK			
E4	JK72-21068A	PMO-STAND COVER DUMMY, WHITE	1	Y	
	JK72-21068B	PMO-STAND COVER DUMMY, BLACK			
E5	JK72-21069A	PMO-STAND COVER FRONT, WHITE	1	Y	
	JK72-21069B	PMO-STAND COVER FRONT, BLACK			
E6	JK72-20906A	PMO-DUMMY STAND, SILVER	1	Y	
	JK72-20906B	PMO-DUMMY STAND, BLACK			
E7	JK72-21070*	PMO-STAND COVER REAR, WHITE	1	Y	BRAND LOGO
		PMO-STAND COVER REAR, BLACK			
E8	JK72-21071A	PMO-STAND COVER TOP, WHITE	1	Y	
	JK72-21071B	PMO-STAND COVER TOP, BLACK			
E9	JK72-21072A	PMO-STAND SIDE DECO	2	Y	
E10	JK72-21073A	PMO-STAND TOP DECO	1	Y	
E11	JK75-40018A	MAIN-HINGE_ASSY, WHITE	1	Y	
	JK75-40018B	MAIN-HINGE_ASSY, BLACK			
E12	S600600007A	SCREW-ASSY MACH:BH,M4,L8	4	Y	
E13	S600200006A	SCREW-TAPPING:PWH,M3,L8	4	Y	
E14	S600600007A	SCREW-ASSY MACH:BH,M4,L8	5	Y	
E15	JK73-11023A	RMO-FOOT RUBBER	4	Y	

Appendix B. System Configuration

05. Parts List

• MSR&IC READER

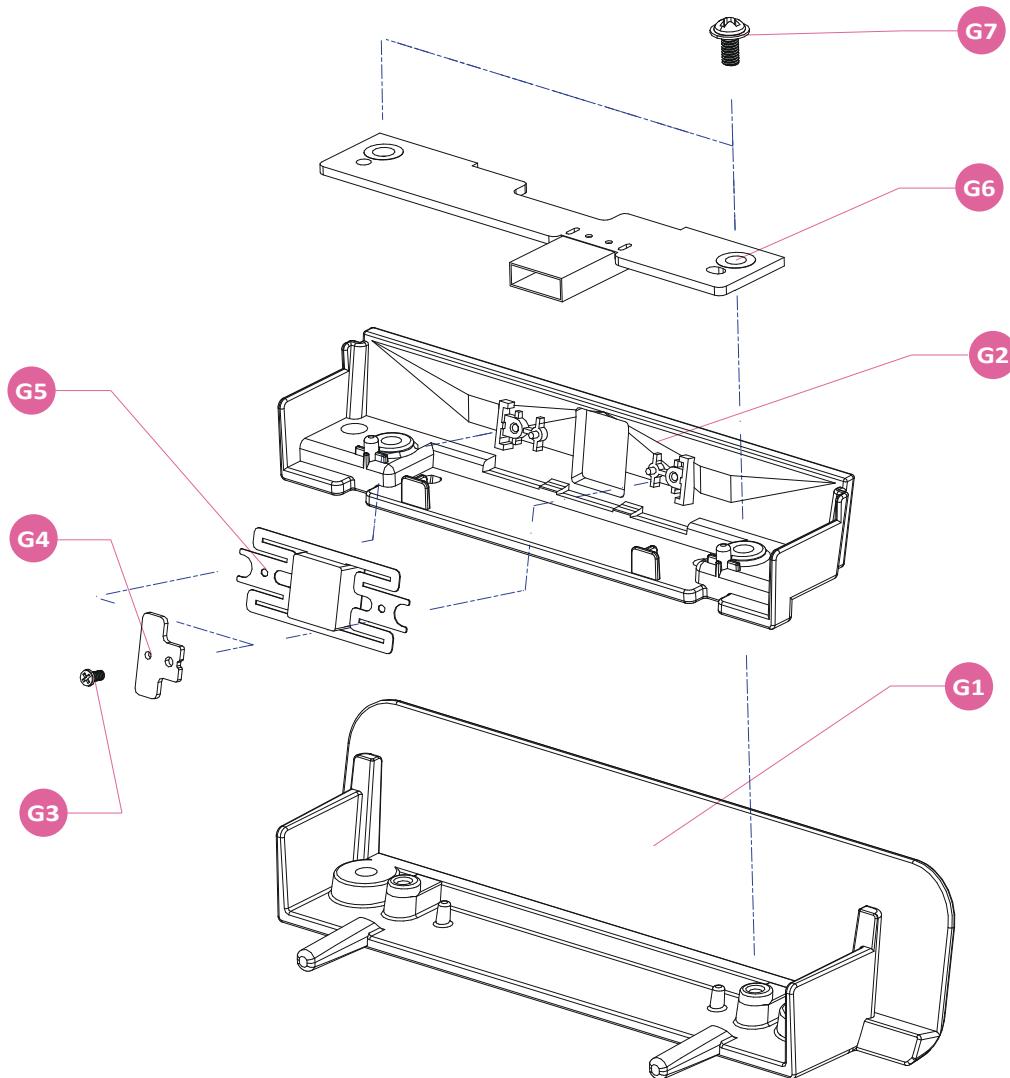


NO	PART CODE	PARTS NAME	Q'TY	Serviceable	REMARK
F1	JK72-21061A	PMO-MSR UPPER, WHITE	1	Y	
	JK72-21061B	PMO-MSR UPPER, BLACK			
F2	JK72-21062A	PMO-MSR LOWER, WHITE	1	Y	
	JK72-21062B	PMO-MSR LOWER, BLACK			
F3	JK70-20445B	IPR-BRKT MSR	1	Y	
F4	-	MSR MODULE	1	N	
F5	-	MSR BOARD	1	Y	
F6	JK92-10172A	IC, MSR USB JOINT	1	Y	
F7	S600200028A	SCREW:PWH,M3,L6	5	Y	
F8	S600100016A	SCREW:M3,L4	2	Y	
F9	S600300026A	SCREW:M1.7,L3.5	2	Y	

Appendix B. System Configuration

05. Parts List

• MSR

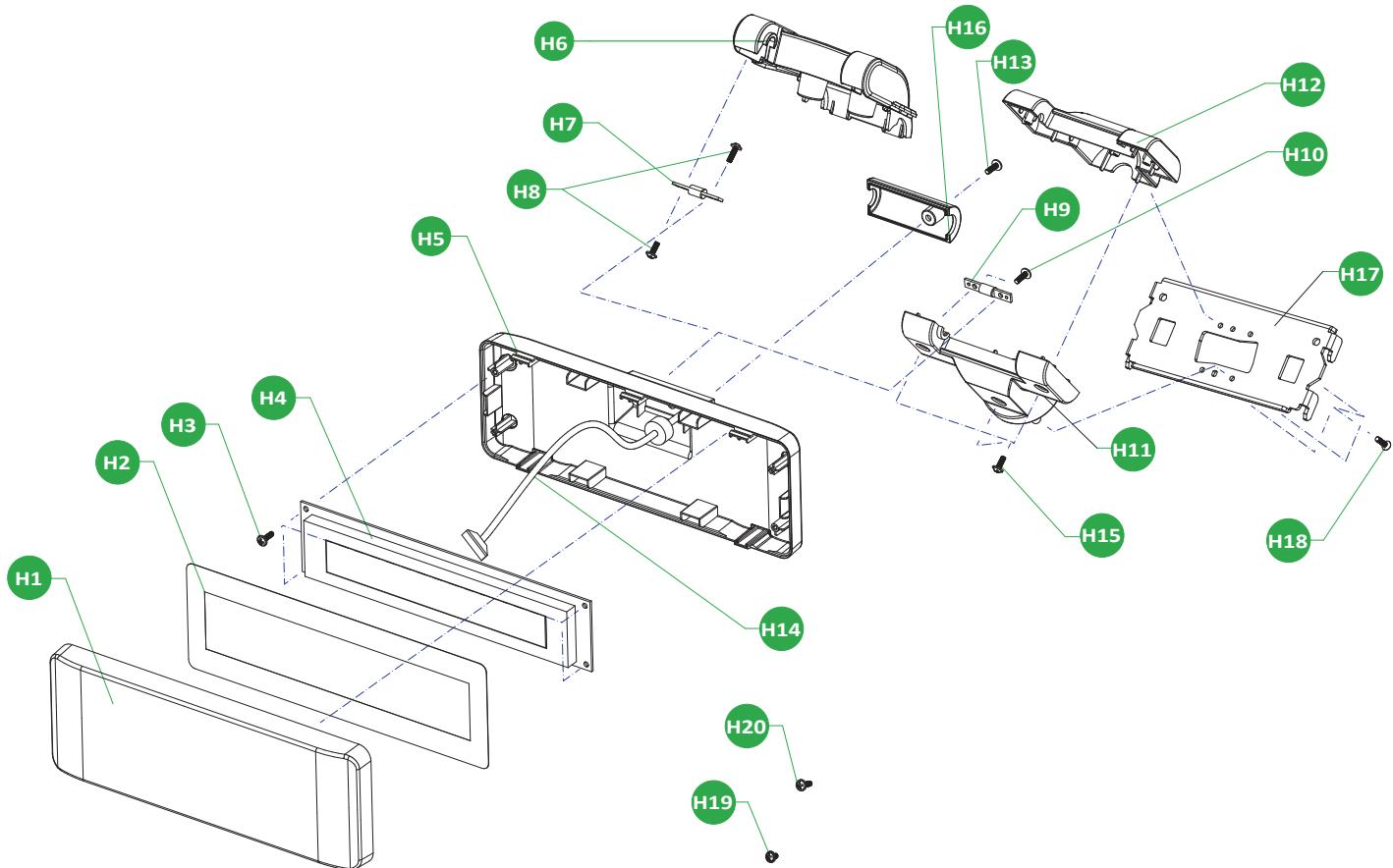


NO	PART CODE	PARTS NAME	Q'TY	Serviceable	REMARK
G1	JK70-20345A	IPR-COVER MSR	1	Y	
G2	JK72-20899A	PMO-LED GUIDE	1	Y	
G3	S600300026A	SCREW-DELTA PT:M1.8,L3.5	2	Y	
G4	JK70-20391A	IPR-BRKT MSR GUIDE	2	Y	
G5	JK48-10012B	MSR MODULE	1	Y	MODULE
G6	JK92-10098A	MSR BOARD	1	Y	
G7	S600100017A	SCREW-MACHINE:M3,L6	2	Y	

Appendix B. System Configuration

05. Parts List

• VFD



Appendix B. System Configuration

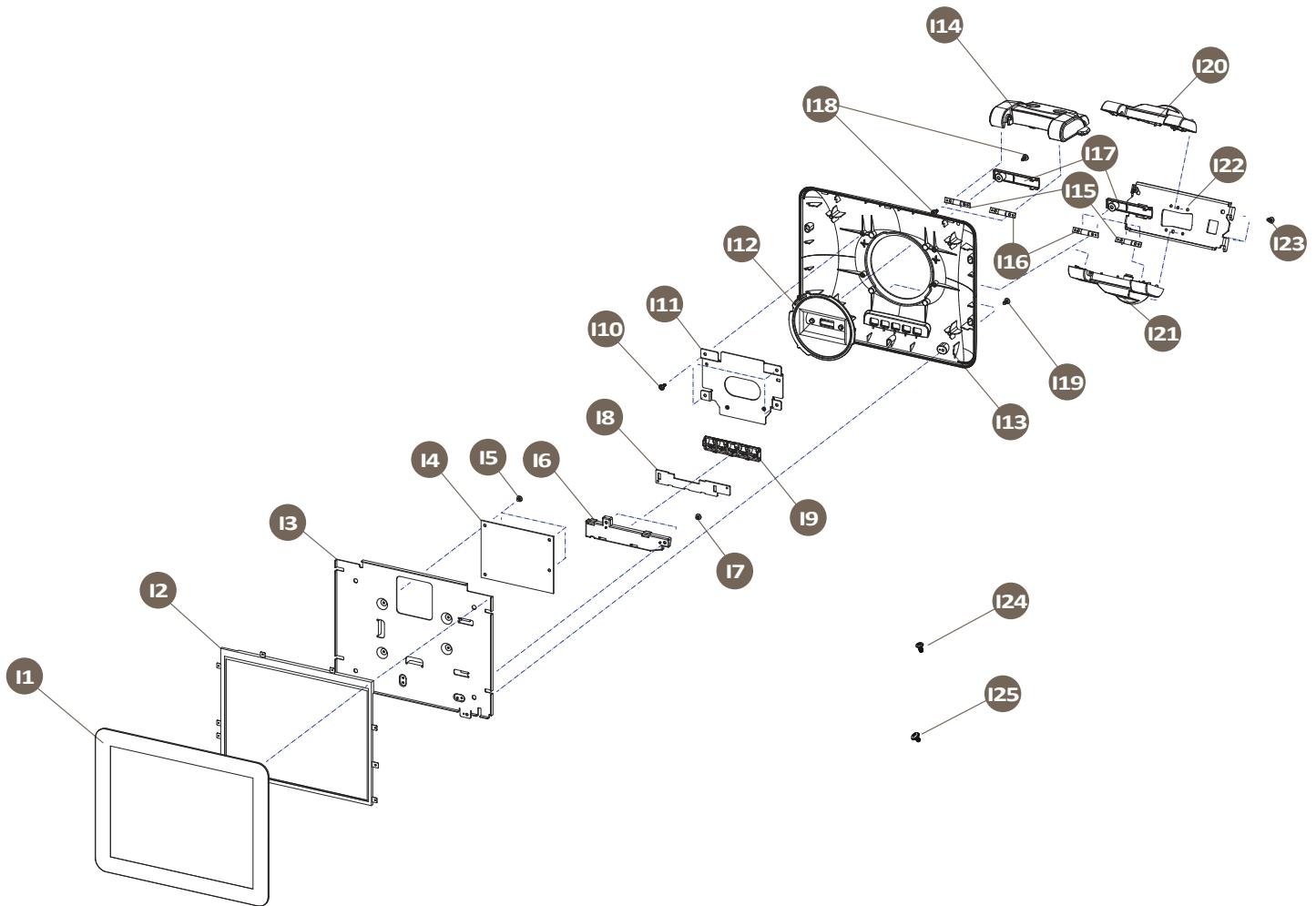
05. Parts List

NO	PART CODE	PARTS NAME	Q'TY	Serviceable	REMARK
H	QCD-STSV202W	ASSY-VFD DISPLAY(CHARACTER), WHIHITE	1	Y	STANDARD STAND
	QCD-STSV202B	ASSY-VFD DISPLAY(CHARACTER), BLACK			
	QCD-STSG256W	ASSY-VFD DISPLAY(GRAPHIC), WIHTE			
	QCD-STSG256B	ASSY-VFD DISPLAY(GRAPHIC), BLACK			
	QCD-STVV202W	ASSY-VFD DISPLAY(CHARACTER), WHIHITE			V STAND
	QCD-STVV202B	ASSY-VFD DISPLAY(CHARACTER), BLACK			
	QCD-STVG256W	ASSY-VFD DISPLAY(GRAPHIC), WIHTE			
	QCD-STVG256B	ASSY-VFD DISPLAY(GRAPHIC), BLACK			
H1	JK72-20299C	PMO-WINDOW VFD	1	Y	
H2	JK68-40120A	LABEL(R)-VFD SHEET	1	Y	
H3	S600300020A	SCREW-TAPITITE:M3,L10	2	Y	
H4	JK46-00006A	UNIT-VFD MODULE(CHARACTER)	1	Y	CHARACTER
	JK46-00007A	UNIT-VFD MODULE(GRAPHIC)			GRAPHIC
H5	JK72-20298B	PMO-REAR VFD(M), WHITE	1	Y	
	JK72-20298A	PMO-REAR VFD(M), BLACK			
H6	JK72-21111A	PMO-HOLDER DUAL, WHITE	1	Y	STANDARD STAND
	JK72-21111B	PMO-HOLDER DUAL, BLACK			
H7	JK75-40006A	MEC-HINGE ASSY	1	Y	STANDARD STAND
H8	S600300020A	SCREW-TAPITITE:M3,L10	2	Y	STANDARD STAND
H9	JK75-40004A	MEC-HINGE ASSY	1	Y	V STAND
H10	S600300020A	SCREW-TAPITITE:M3,L10	2	Y	V STAND
H11	JK72-21065A	PMO-HOLDER DUAL LOWER, WHITE	1	Y	V STAND
	JK72-21065B	PMO-HOLDER DUAL LOWER, BLACK			
H12	JK72-21066A	PMO-HOLDER DUAL UPPER, WHITE	1	Y	V STAND
	JK72-21066B	PMO-HOLDER DUAL UPPER, BLACK			
H13	S600300020A	SCREW-TAPITITE:M3,L10	1	Y	
H14	JK39-60075B	CABLE-POLE:J45,550	1	Y	
H15	S600200006A	SCREW-TAPPING:M3,L8	3	Y	
H16	JK72-20300A	PMO-REAR VFD DUMMY,BLACK	1	Y	
	JK72-20300B	PMO-REAR VFD DUMMY,WHITE			
H17	JK70-20452B	IPR-FRAME REAR MONITOR	1	Y	V STAND
H18	S600100008A	SCREW-MACHINE:PWH,M3,L10	4	Y	V STAND
H19	S600100039A	SCREW-MACHINE:PWH,M4,L8	2	Y	
H20	S600600007A	SCREW-ASSY MACHINE:BH,M4,L8	2	Y	V STAND

Appendix B. System Configuration

05. Parts List

- 9.7inch Dual Monitor



Appendix B. System Configuration

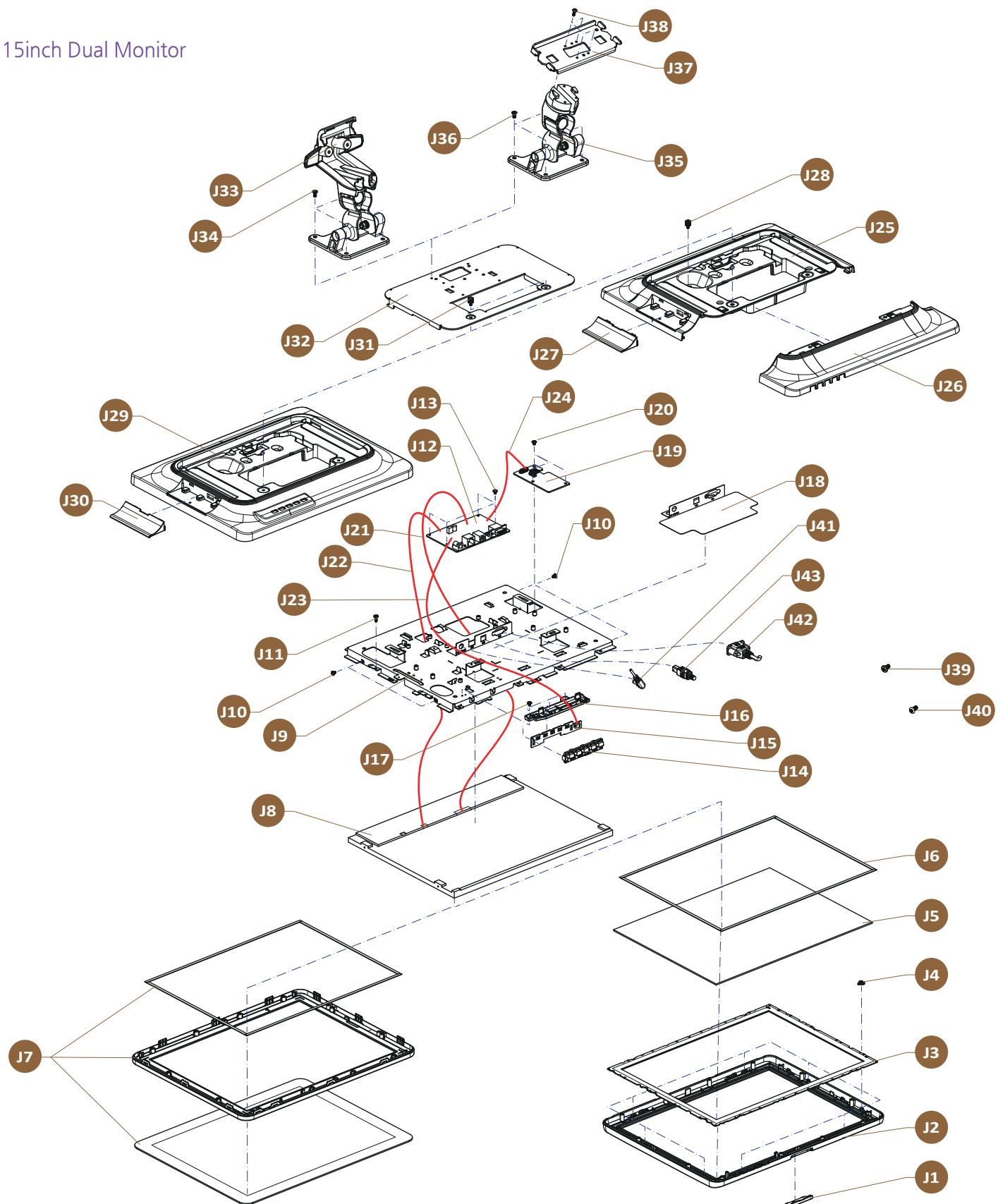
05. Parts List

NO	PART CODE	PARTS NAME	Q'TY	Serviceable	REMARK
I	SCD-100/DTSNNWN	ASSY-9.7"DUAL DISPLAY, WHITE	1	Y	STANDARD STAND
	SCD-100/DTSNNBN	ASSY-9.7"DUAL DISPLAY, BLACK			
	SCD-100/DTVNNWN	ASSY-9.7"DUAL DISPLAY, WHITE			V STAND
	SCD-100/DTVNNBN	ASSY-9.7"DUAL DISPLAY, BLACK			
I1	JK95-40006B	ASSY-WINDOW FRONT	1	Y	
I2	JK07-20368A	DISPLAY-LCD	1	Y	
I3	JK70-20368A	IPR-BRKT DISPLAY	1	Y	
I4	JK49-10008A	UNIT-AD BOARD	1	Y	
I5	S600100016A	SCREW-MACHINE:M3,L4	4	Y	
I6	JK72-20457A	PMO-HOLDER BUTTON	1	Y	
I7	S600100016A	SCRW-MACHINE:M3,L4	2	Y	
I8	JK92-10116A	UNITOOSD BOARD	1	Y	
I9	JK72-20547C	PMO-BUTTON, WHITE	1	Y	
	JK72-20547D	PMO-BUTTON, BLACK			
I10	S600200006A	SCRW-TAPPING:M3,L8	4	Y	
I11	JK70-20240A	IPR-PLATE REAR(P)	1	Y	
I12	JK72-20596C	PMO-HOLDER HINGE(D)	1	Y	
I13	JK72-20950A	PMO-COVER REAR(A), WHITE	1	Y	
	JK72-20950B	PMO-COVER REAR(A), BLACK			
I14	JK72-21111A	PMO-HOLDER DUAL,WHITE	1	Y	STANDARD STAND
	JK72-21111B	PMO-HOLDER DUAL,BLACK			
I15	JK72-40004B	MEC-HINGE ASSY	1	Y	
I16	JK75-40006A	MEC-HINGE ASSY	1	Y	
I17	JK72-20604A	PMO-HOLDER DUMMY,BLACK	1	Y	
	JK72-20604B	PMO-HOLDER DUMMY,WHITE			
I18	S600200006A	SCREW-TAPPING:M3,L8	4	Y	
I19	S600200006A	SCREW-TAPPING:M3,L8	2	Y	
I20	JK72-21066A	PMO-HOLDER DUAL UPPER,WHITE	1	Y	V STAND
	JK70-21066B	PMO-HOLDER DUAL UPPER, BLACK			
I21	JK72-21065A	PMO-HOLDER DUAL LOWER,WHITE	1	Y	V STAND
	JK70-21065B	PMO-HOLDER DUAL LOWER, BLACK			
I22	JK70-20452B	IPR-FRAME REAR MONITOR	1	Y	V STAND
I23	S600200005A	SCREW-TAPPING:PWH,M3,L10	4	Y	V STAND
I24	S600100039A	SCREW-MACHINE:PWH,M4,L8	2	Y	STANDARD STAND
I25	S600600007A	SCREW-ASSY MACHINE:BH,M4,L8	2	Y	V STAND

Appendix B. System Configuration

05. Parts List

- 15inch Dual Monitor



Appendix B. System Configuration

05. Parts List

NO	PART CODE	PARTS NAME	Q'TY	Serviceable	REMARK
J	QCD-STSL15NN*N	15" DAUL MONITOR, NORMAL, NONE TOUCH	1	Y	STANDARD STAND B : BLACK W : WHITE S : BLACK+WHITE
	SCD-150/DTSNN*N	15" DAUL MONITOR, FLAT, NONE TOUCH			
	SCD-150/DTSON*B	15" DAUL MONITOR, NORMAL, RESISTIVE TOUCH			
	SCD-150/DTS6N*N	15" DAUL MONITOR, FLAT, PCT TOUCH			
	QCD-STVL15NN*N	15" DAUL MONITOR, NORMAL, NONE TOUCH			V STAND B : BLACK W : WHITE S : BLACK+WHITE
	SCD-150/DTVNN*N	15" DAUL MONITOR, FLAT, NONE TOUCH			
	SCD-150/DTVON*B	15" DAUL MONITOR, NORMAL, RESISTIVE TOUCH			
	SCD-150/DTV6N*N	15" DAUL MONITOR, FLAT, PCT TOUCH			
J1	JK72-20551	PMO-BRAND FRONT	1	Y	BRAND LOGO
J2	JK72-20544A	PMO-FRONT DISPLAY, NORMAL, BLACK	1	Y	NORMAL DISPLAY
	JK72-20544B	PMO-FRONT DISPLAY, NORMAL, WHITE			
J3	JK73-20015A	RMO-WATER PROOF	1	Y	
J4	JK72-20553A	PMO-GUIDE TOUCH	8	Y	RESISTIVE TOUCH
J5	JK07-10006A	TOUCH PANEL:5 WIRE,15,ANALOG	1	Y	RESISTIVE TOUCH
J6	JK73-11019A	RMO-RUBBER TAPE(15S)	2	Y	
	JK73-11019B	RMO-RUBBER TAPE(15L)	2	Y	RESISTIVE TOUCH
J7	JK95-70753A	ASSY FRONT DISPLAY(TRUE), BLACK, NONE TOUCH	1	Y	FLAT DISPLAY, NONE TOUCH
	JK95-70753B	ASSY FRONT DISPLAY(TRUE), WHITE, NONE TOUCH		Y	
	JK95-70559C	ASSY FRONT DISPLAY(TRUE), BALCK, PCT TOUCH		Y	
	JK95-70559D	ASSY FRONT DISPLAY(TRUE), WHITE, PCT TOUCH		Y	
J8	JK95-70567A	LCD-LED:15"	1	Y	
J9	JK95-70376D	ASSY-BRKT DISPLAY DUAL	1	Y	
J10	S600100044A	SCREW-MACHINE:BH,M3,L5	4	Y	
J11	S600200005A	SCREW-TAPPING:PWH,M3,L10	12	Y	NORMAL DISPLAY
	S600200006A	SCREW-TAPPING:PWH,M3,L8	10	Y	
J12	JK95-70221B	UNIT AD BOARD	1	Y	
J13	S600100016A	SCREW-MACHINE:PWH,M3,L4	4	Y	
J14	JK72-20547A	PMO-BUTTON, BLACK	1	Y	
	JK72-20547B	PMO-BUTTON, WHITE			
J15	JK92-10008A	DAUL-OSD BOARD	1	Y	
J16	JK72-20457A	PMO-HOLDER BUTTON(TRUE)	1	Y	PCT TOUCH
J17	S600100016A	SCREW-MACHINE:PWH,M3,L4	2	Y	PCT TOUCH
J18	JK68-40223A	LABEL(R)-DUAL DISPLAY	1	Y	
J19	JK92-01690B	PBA TOUCH:RESISTIVE	1	Y	RESISTIVE TOUCH
	JK95-70760E	PBA TOUCH:PCT			
J20	S600100016A	SCREW-MACHINE:PWH,M3,L4	3	Y	
J21	JK39-40798A	HARNESS-LVDS	1	Y	
J22	JK39-80018A	HARNESS-INVERTER	1	Y	
J23	JK39-40876A	HARNESS-DUAL OSD	1	Y	
J24	JK39-40775A	HARNESS-USB	1	Y	PCT/RESISTIVE TOUCH
J25	JK72-20545A	PMO-REAR TOP, BLACK	1	Y	NORMAL DISPLAY
	JK72-20545B	PMO-REAR TOP, WHITE			
J26	JK72-20546B	PMO-REAR BOTTOM, BLACK	1	Y	NORMAL DISPLAY
	JK72-20546D	PMO-REAR BOTTOM, WHITE			
J27	JK72-20552A	PMO-DUMMY MSR, BLACK	1	Y	NORMAL DISPLAY
	JK72-20552B	PMO-DUMMY MSR, WHITE			
J28	S600100037A	SCREW-MACHINE COIN:M3,L6,HT6,HD8	1	Y	NORMAL DISPLAY

Appendix B. System Configuration

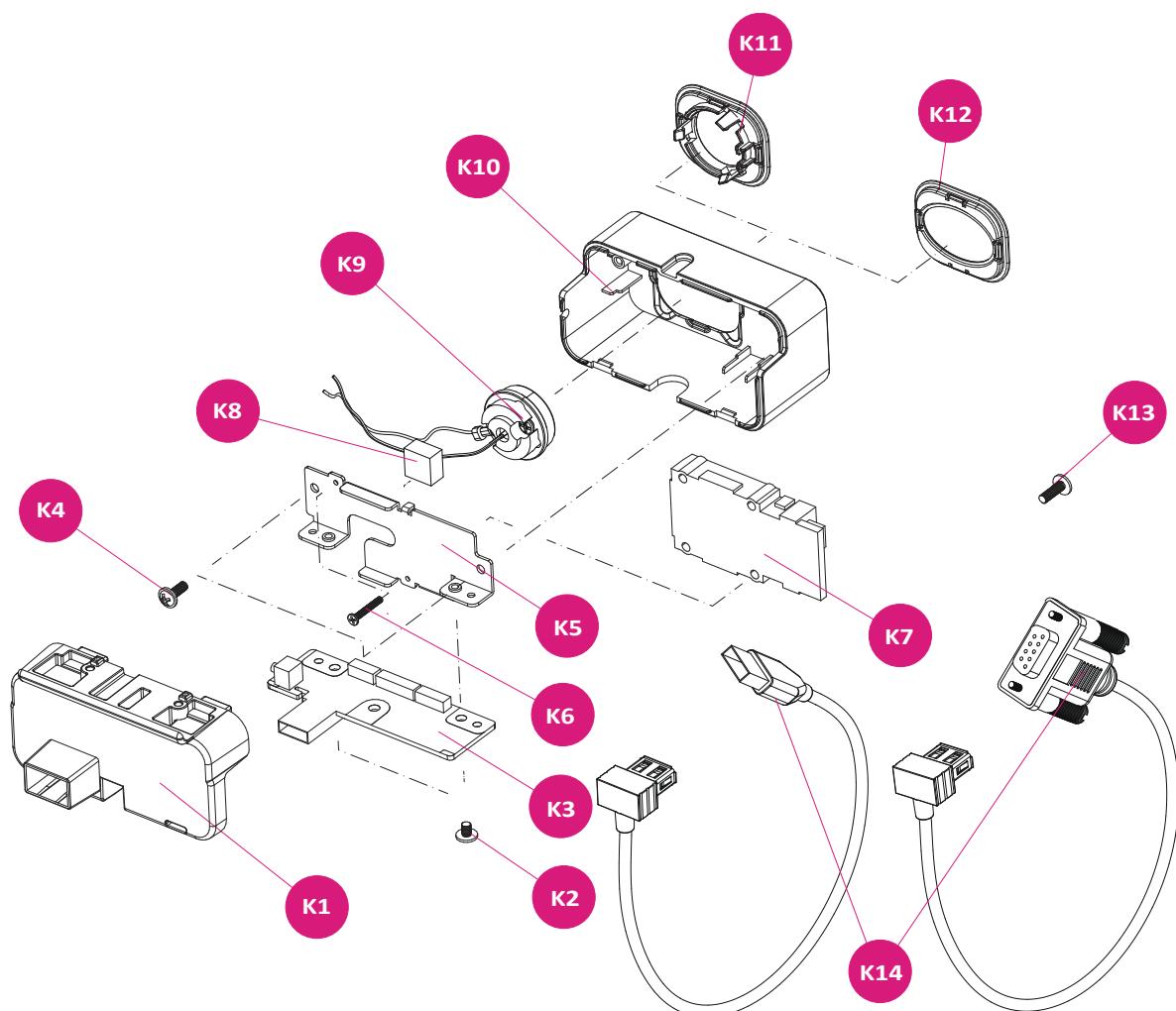
05. Parts List

NO	PART CODE	PARTS NAME	Q'TY	Serviceable	REMARK
J29	JK72-20456B	PMO-REAR DISPLAY(F), BLACK	1	Y	FLAT DISPLAY
	JK72-20456D	PMO-REAR DISPLAY(F), WHITE			
J30	JK72-20072A	PMO-DUMMY MSR(TURE), BLACK	1	Y	FLAT DISPLAY
	JK72-20072B	PMO-DUMMY MSR(TURE), WHITE			
J31	JK95-60007B	ASSY-PLATE REAR DUAL	1	Y	
J32	S600100056A	SCREW-MACHINE HAND:M3,L10	2	Y	
J33	JK75-40019A	DUAL HINGE ASSY	1	Y	STANDARD STAND
J34	S600100039A	SCREW-MACHINE:PWH,M4,L8	4	Y	STANDARD STAND
J35	JK75-40016A	DUAL HINGE ASSY(V STAND)	1	Y	V STAND
J36	S600100039A	SCREW-MACHINE:PWH,M4,L8	4	Y	V STAND
J37	JK70-20452B	IPR-FRAME REAR MONITOR	1	Y	V STAND
J38	S600300009A	SCREW-TAPITITE:PWH,M3,L8	4	Y	V STAND
J39	S600100039A	SCREW-MACHINE:PWH,M4,L8	2	Y	STANDARD STAND
J40	S600600007A	SCREW-ASSY MACHINE:BH,M4,L8	2	Y	V STAND
J41	JK39-40791A	CABLE-POWER(DC)	1	Y	
J42	JK39-40792B	CABLE-VGA	1	Y	
J43	JK39-60040B	SCREW-MACHINE:PWH,M3,L4	1	Y	PCT/RESISTIVE TOUCH

Appendix B. System Configuration

05. Parts List

- Dallas/Finger Printer



Appendix B. System Configuration

05. Parts List

NO	PART CODE	PARTS NAME	Q'TY	Serviceable	REMARK
K	QDK-TS100NW	ASSY-DALLAS,WHITE	1	Y	
	QDK-TS100NB	ASSY-DALLAS,BLACK			
	QFP-TS100NW	ASSY-FINGER PRINTER,WHITE			WITH OUT FP MODULE
	QFP-TS100NB	ASSY-FINGER PRINTER,BLACK			
	QFP-TS100MW	ASSY-FINGER PRINTER,WHITE			WITH FP MODULE
	QFP-TS100MB	ASSY-FINGER PRINTER,BLACK			
K1	JK72-21096A	PMO-REAR DALLAS,WHITE	1	Y	
	JK72-21096B	PMO-REAR DALLAS,BLACK			
K2	S600100016A	SCREW-MACHINE:M3X4	2	Y	
K3	JK92-10099A	DALLAS&FPR BOARD,USB	1	Y	USB
	JK92-10099B	DALLAS&FPR BOARD,SERIAL			SERIAL
K4	S600200006A	SCREW-TAPPING:M3X8	2	Y	
K5	JK70-20339A	IPR-BRKT DALLAS	1	Y	
K6	S600100048A	SCREW-MACHINE:M2X14	2	Y	
K7	JK41-10765A	UNIT-FINGER PRINT	1	Y	FP MODULE
K8	JK73-11023A	RMO-PAD BOARD	2	Y	
K9	JK95-70134C	UNIT-DALLAS MODULE	1	Y	DALLAS
K10	JK72-20900A	PMO-FRONT DALLAS,WHITE	1	Y	
	JK72-20900B	PMO-FRONT DALLAS,BLACK			
K11	JK72-20403A	PMO-CAP DALLAS,BLACK	1	Y	
	JK72-20403C	PMO-CAP DALLAS,WHITE			DALLAS
K12	JK72-20402A	PMO-CAP FPR,BLACK	1	Y	
	JK72-20402C	PMO-CAP FPR,WHITE			FINGER PRINTER
K13	S600200005A	SCREW-TAPPING:PWH,M3,L10	2	Y	ACCESSORY
K14	JK39-90035A	CABEL-USB:250mm	1	Y	USB
	JK39-90036A	CABLE-SERIAL:250mm			SERIAL