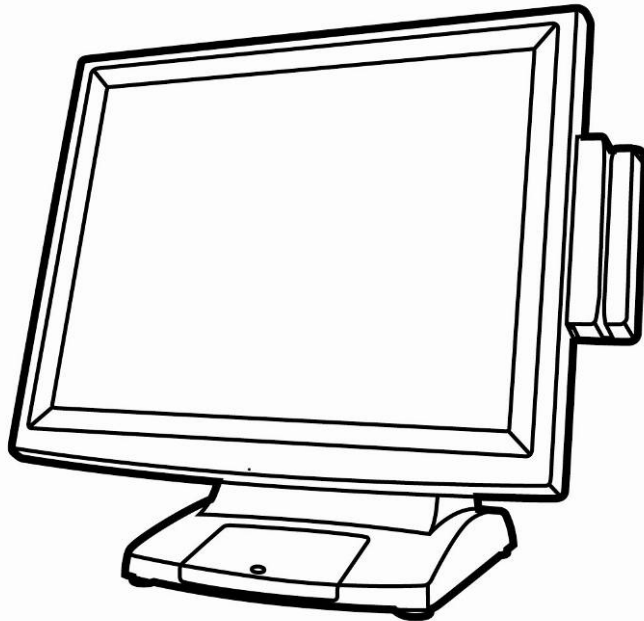


User Manual

Revision v1.1 Aug. 2010

Point-Of-Sale Monitor



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Manual Version 1.1
Part Number: 3LMPP1300111

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Safety

IMPORTANT SAFETY INSTRUCTIONS

1. To disconnect the machine from the electrical Power Supply, turn off the power switch and remove the power cord plug from the wall socket. The wall socket must be easily accessible and in close proximity to the machine.
2. Read these instructions carefully. Save these instructions for future reference.
3. Follow all warnings and instructions marked on the product.
4. Do not use this product near water.
5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
6. Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.
7. This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.
8. Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
9. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

CE MARK



This device complies with the requirements of the EEC directive 2004/108/EC with regard to “Electromagnetic compatibility” and 2006/95/EC “Low Voltage Directive”

FCC

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

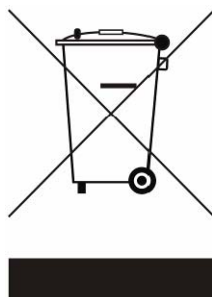
- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation

CAUTION ON LITHIUM BATTERIES

There is a danger of explosion if the battery is replaced incorrectly. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

LEGISLATION AND WEEE SYMBOL

2002/96/EC Waste Electrical and Electronic Equipment Directive on the treatment, collection, recycling and disposal of electric and electronic devices and their components.



The crossed dustbin symbol on the device means that it should not be disposed of with other household wastes at the end of its working life. Instead, the device should be taken to the waste collection centers for activation of the treatment, collection, recycling and disposal procedure.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract.

This product should not be mixed with other commercial wastes for disposal.

Revision History

Changes to the original user manual are listed below:

Revision	Date	Description
V1.0	Mar. 2010	● Release
V1.1	Aug. 2010	● MB version change ● Add Fingerprint Scanner to optional items

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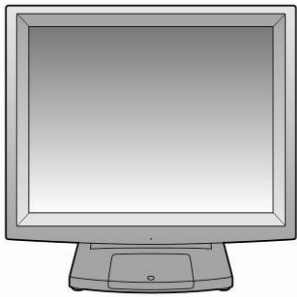
1

Package Checklist

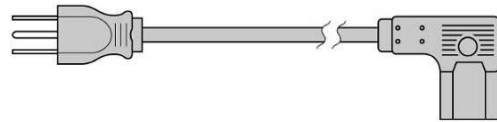
Take the system unit out of the carton. Remove the unit from the carton by holding it by the foam inserts. The following contents should be found in the carton:

1-1 Standard Items

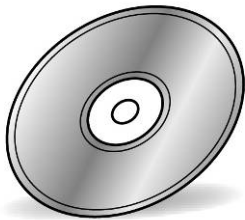
a.



d.



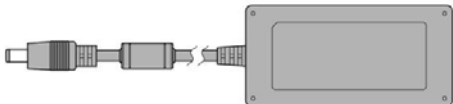
b.



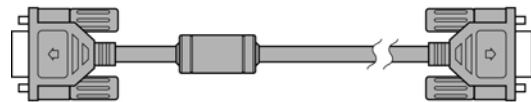
e.



c.



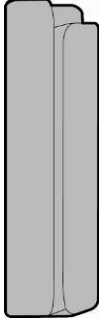
f.



- a. Monitor
- b. Driver CD
- c. Power Adapter (36W)
- d. Power Cable
- e. USB Cable for touch
- f. VGA Cable

1-2 Optional Items

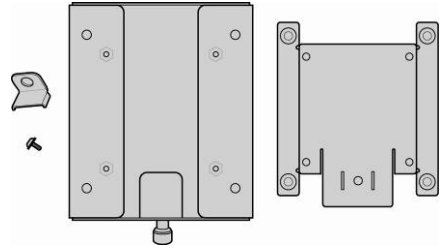
a.



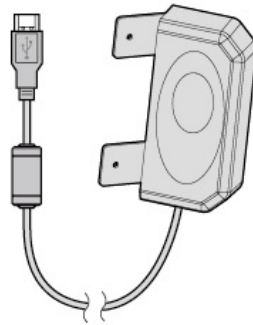
b.



c.



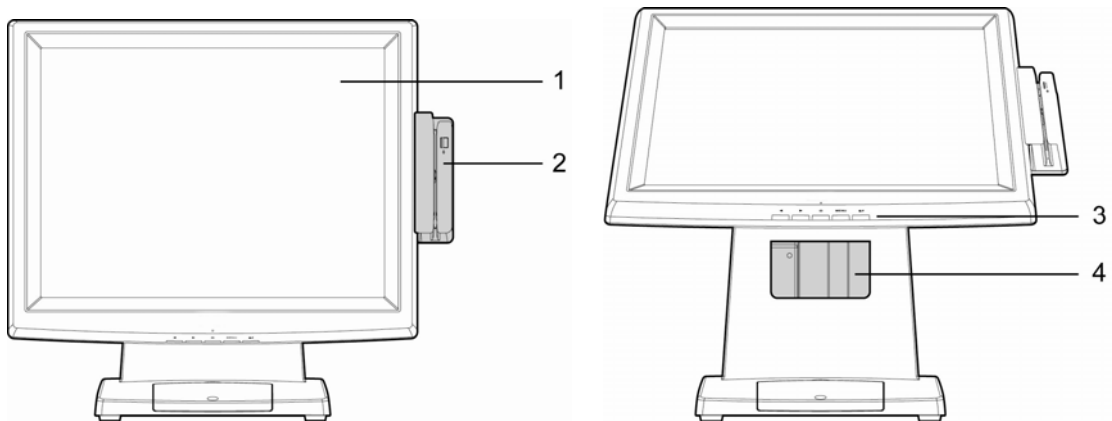
d.



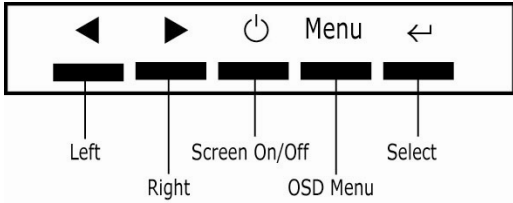
- a. MSR Module
- b. VFD Module
- c. Wall Mount Kit
- d. Fingerprint
(either choose W/MSR module)

2 System View

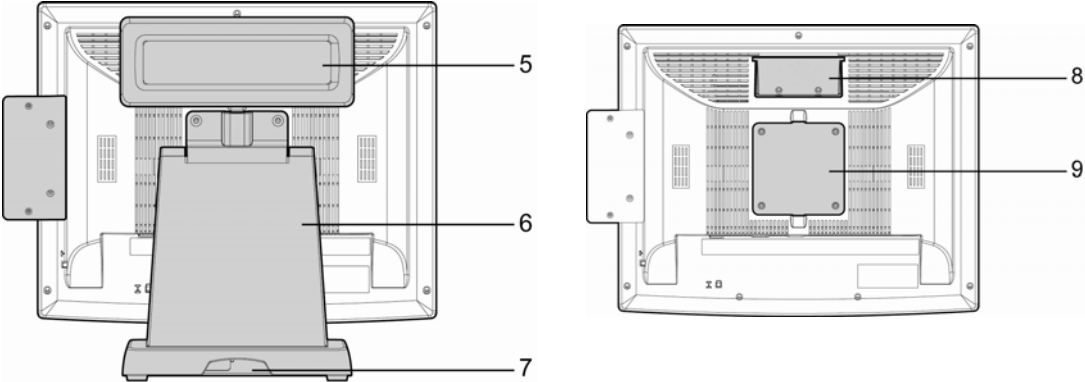
2-1 Front View



System Overview table -1

Number	Component
1	Touch Screen
2	MSR (Optional)
3	OSD Button for OSD menu selection From left to right button: 
4	Stand Hole for cable management

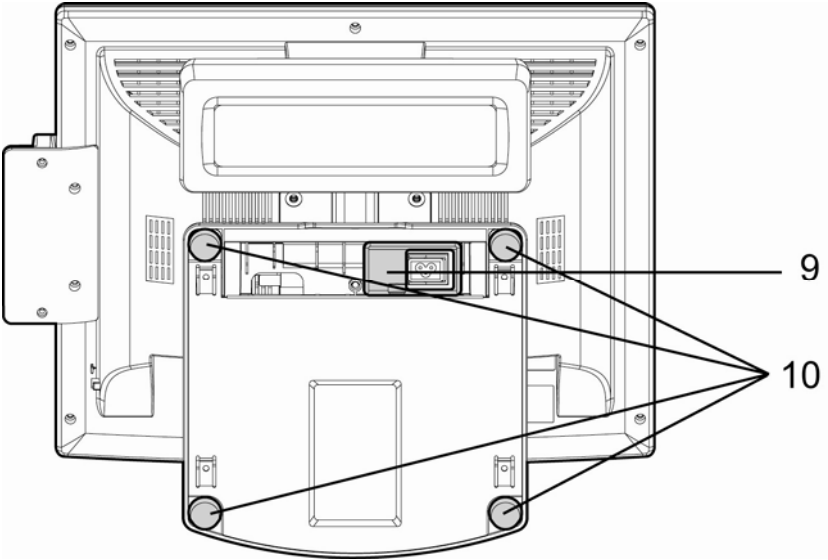
2-2 Rear View



System Overview table -2

Number	Component
5	VFD Module (Optional)
6	Stand (with cable management and power adapter bracket)
7	Cable Outlet
8	VFD Cover (VFD module installation location)
9	VESA hole for stand and wall-mount kit installation

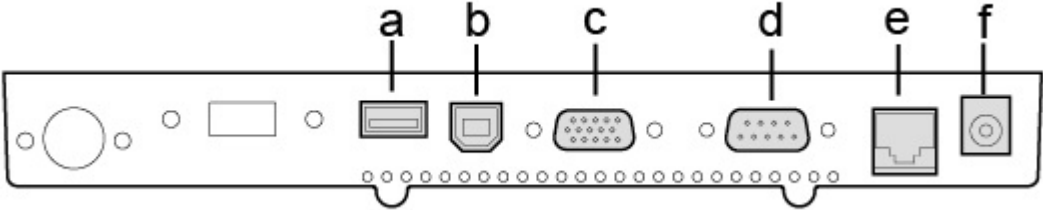
2-3 Bottom View



System Overview table -3

Number	Component
9	Easy-Service Retaining Bracket for Power Adapter
10	Rubber feet

2-4 I/O View



System Overview table -4

Number	Component
a	USB (to Device)
b	USB IN (from PC)
c	VGA IN
d	COM IN
e	COM (can be adjusted with 12V)
f	12V IN

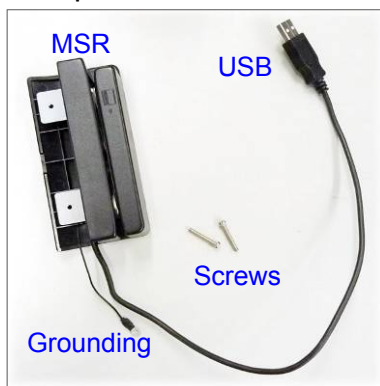
3

Peripheral Installation

The peripheral and modules units provided are tested and can be supplied at your request.

3-1 MSR & Fingerprint Scanner

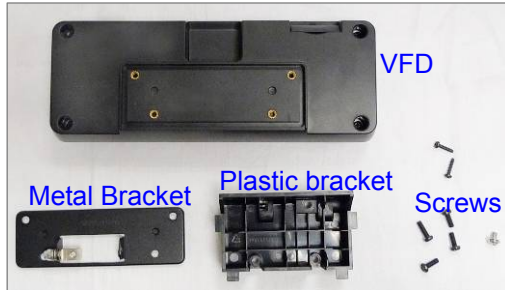
Components of MSR Kit:



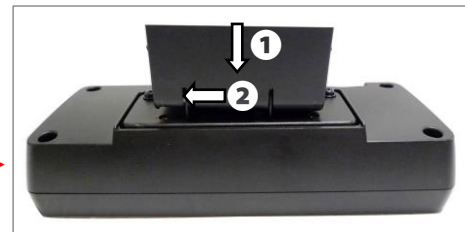
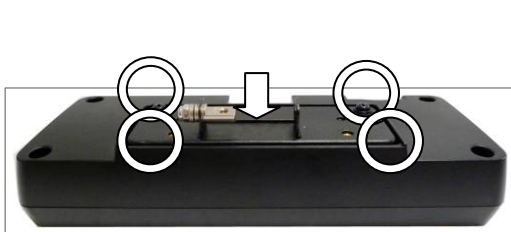
1. Slide the MSR into the right position of the System.
 2. Fasten the screws (x2) and grounding cable (x1).
- * The fingerprint scanner can be installed in the same way.

3-2 VFD

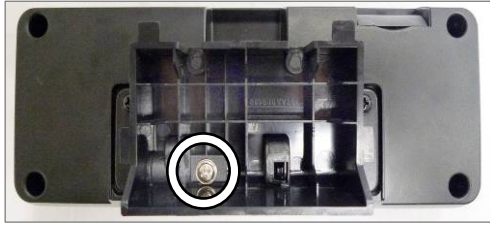
Components of VFD Kit:



1. Unfasten the screws (x2) and slide the VFD Cover outward.



2. Position the VFD metal bracket onto the rear side of the VFD module and fasten the screws (x4).
3. Position the plastic bracket on the metal bracket as shown in the images above.



4. Fasten the screw (x1) to attach the plastic bracket to the metal bracket and VFD module.
5. Slide the VFD module with bracket into the VFD socket.
6. Attach the VFD module by fastening the screws (x2) as shown.

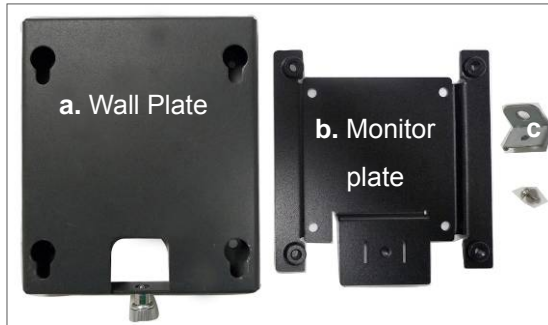


7. Connect the VFD's RJ45 to the VFD Module.
8. Connect the other end of the VFD Cable to the Touch Screen Monitor.

3-3 Wall Mount Kit

Before installing the Wall Mount Kit, please remove the stand first.
(See Chapter 4-1)

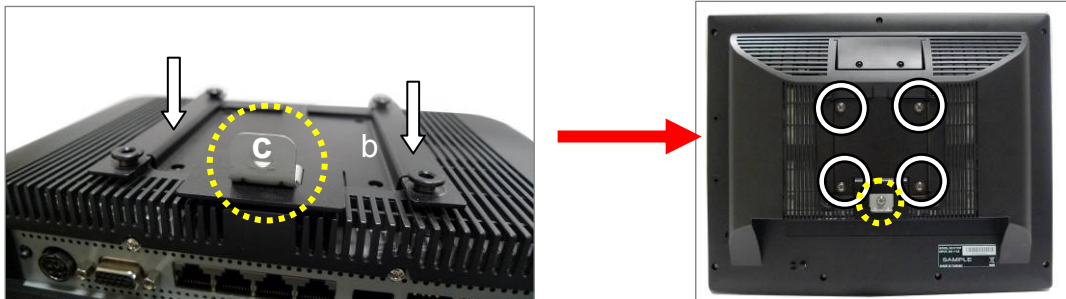
(Parts of Wall Mount Kit)



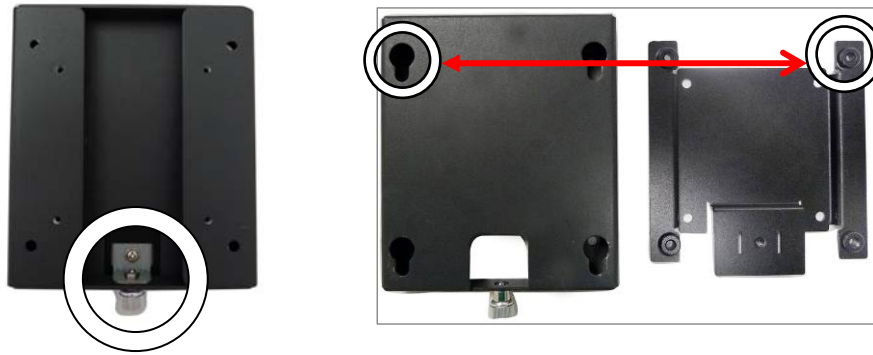
(Location to install)



1. VESA Wall Mount Kit includes the following:
 - a. Wall-mount plate
 - b. Monitor-mount plate & screws
 - c. Screw metal bracket
2. The wall mount installs at the rear of the system.



3. Attach part "b" to the back of the Touch Monitor.
4. Attach part "c" to the monitor plate as pictured and secure with a screw (x1).
5. Fasten the screws (x4) to attach the monitor plate.



6. Mount part “a” to the wall in your desired location.
7. Align the hooks of the monitor plate with the keyholes of the wall plate and slide the monitor into place.
8. Tighten the thumb screw (x1).

4 System Assembly & Disassembly

4-1 Remove the System Stand

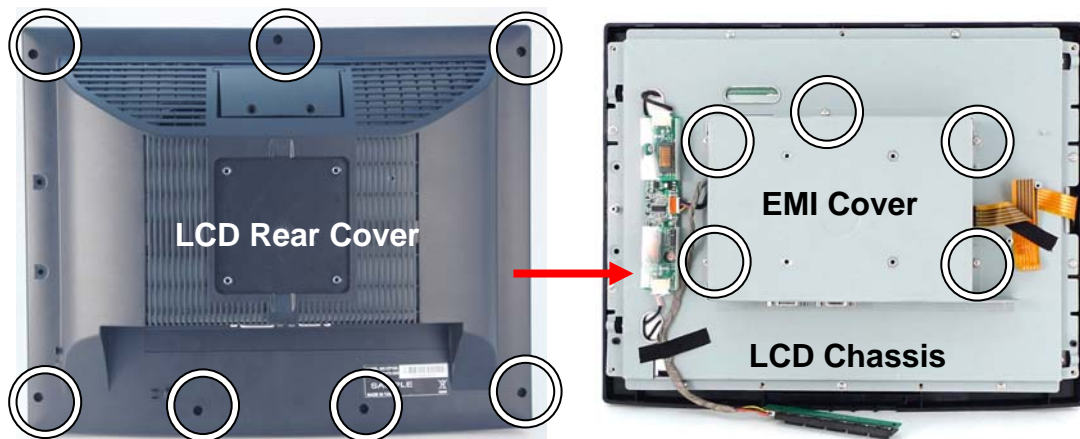


1. Remove the screws (x2) that secure the stand to the system.



2. Remove the screws (x4) that secure the VESA mount to the monitor.
3. Remove the VESA bracket.

4-2 Remove the LCD Rear Cover & the EMI Cover

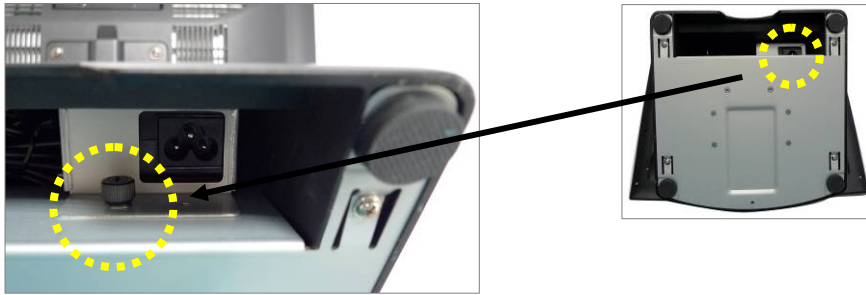


1. Remove the stand (Chapter 4-1).
2. Unfasten the screws (x7) to remove the LCD Rear Cover.
3. Unfasten the screws (x5) that fixing the EMI cover to the LCD chassis.



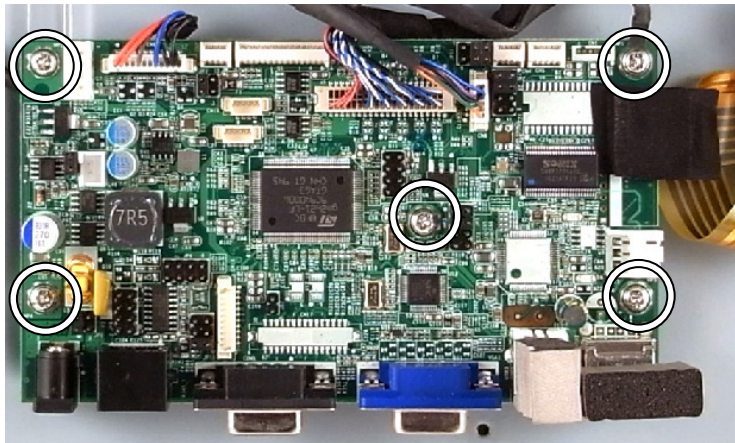
4. Disconnect the hex screws (x4) on the I/O panel and remove the EMI Cover.

4-3 Replace the Power Adapter



1. Release the thumb screw to separate the retaining metal bracket from the stand and take out the power adapter.

4-4 Replace the AD Board



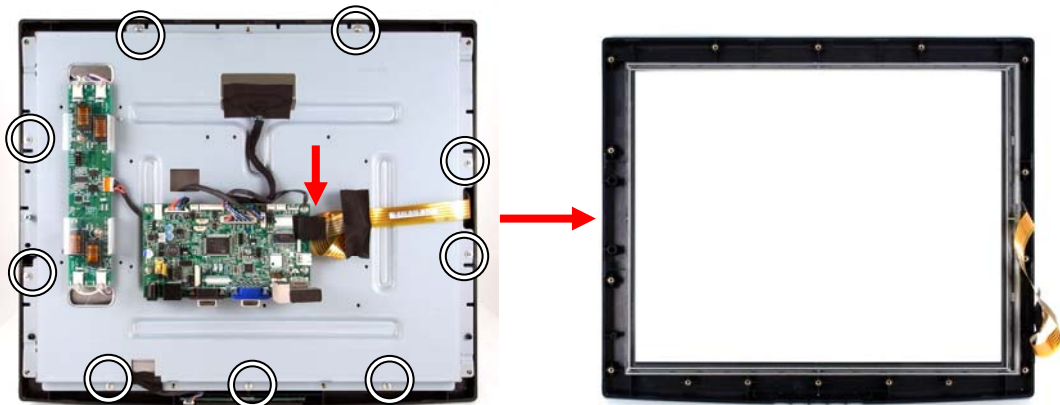
1. Remove the stand (Chapter 4-1).
2. Remove the LCD rear cover & the EMI cover (Chapter 4-2).
3. Disconnect all the cables connecting to the AD board (including touch, LCD, OSD, inverter cables and etc).
4. Unfasten the screws (x5) and take out the AD board.

4-5 Replace the Inverter Board



1. Remove the stand (Chapter 4-1).
2. Remove the LCD rear cover (Chapter 4-2).
3. Disconnect the cables (x3) from the inverter board.
4. Unfasten the screw (x2).

4-6 Replace the LCD Front Bezel



1. Remove the stand (Chapter 4-1).
2. Remove the LCD rear cover & the EMI cover (Chapter 4-2).
3. Disconnect the touch cable (x1).
4. Unfasten the screws (x 9) to separate the LCD front bezel from the LCD Panel.

5 Specification

AD board	B16	
LCD Panel		
Panel Size	15"	17"
Brightness	250nits	300~380nits
Resolution	1024 x 768	1280 x 1024
Touch	Resistive	
Tilt Angle	4° ~ 90°	
External I/O Ports		
USB	1 x USB 2.0 (Type A), 1 x USB 2.0 (Type B to PC)	
VGA	1	
Serial / COM	2 x COM (1 x DB-9/F type to PC, 1 x RJ-45 type to VFD)	
DC Jack	1	
OSD Button	5 (left, right, power, menu, select)	
Power adapter		
Power Source	Ext. 36W, 12V/3A	
Control / Indicator		
Power Button	1	
Indicator LED	1	
Peripheral		
MSR module	MSR (USB)	
Finger print	Fingerprint scanner (USB) , either one choose W/MSR	
Customer display	2 x 20 VFD customer display (COM)	
Environment		
EMC & Safety	FCC/CE Class A, LVD	
Operating Temperature	0°C ~ 40 °C (32 °F ~ 104 °F)	
Storage Temperature	-20 °C ~ 55 °C (-4 °F ~ 131 °F)	
Operating Humidity	5% to 95% RH, Non-condensing	
Storage Humidity	5% to 95% RH, Non-condensing	
Dimension (W x D x H)	LCD 90 degree : 365.2 x 217.8 x 338.9 mm	LCD 90 degree : 399.2 x 217.8 x 381.5 mm
Weight (N.W./G.W.)	4.8kgs / 5.8kgs	6kgs / 7kgs
Mounting	100mm x 100mm VESA Standard holes	

*This specification is subject to change without prior notice.

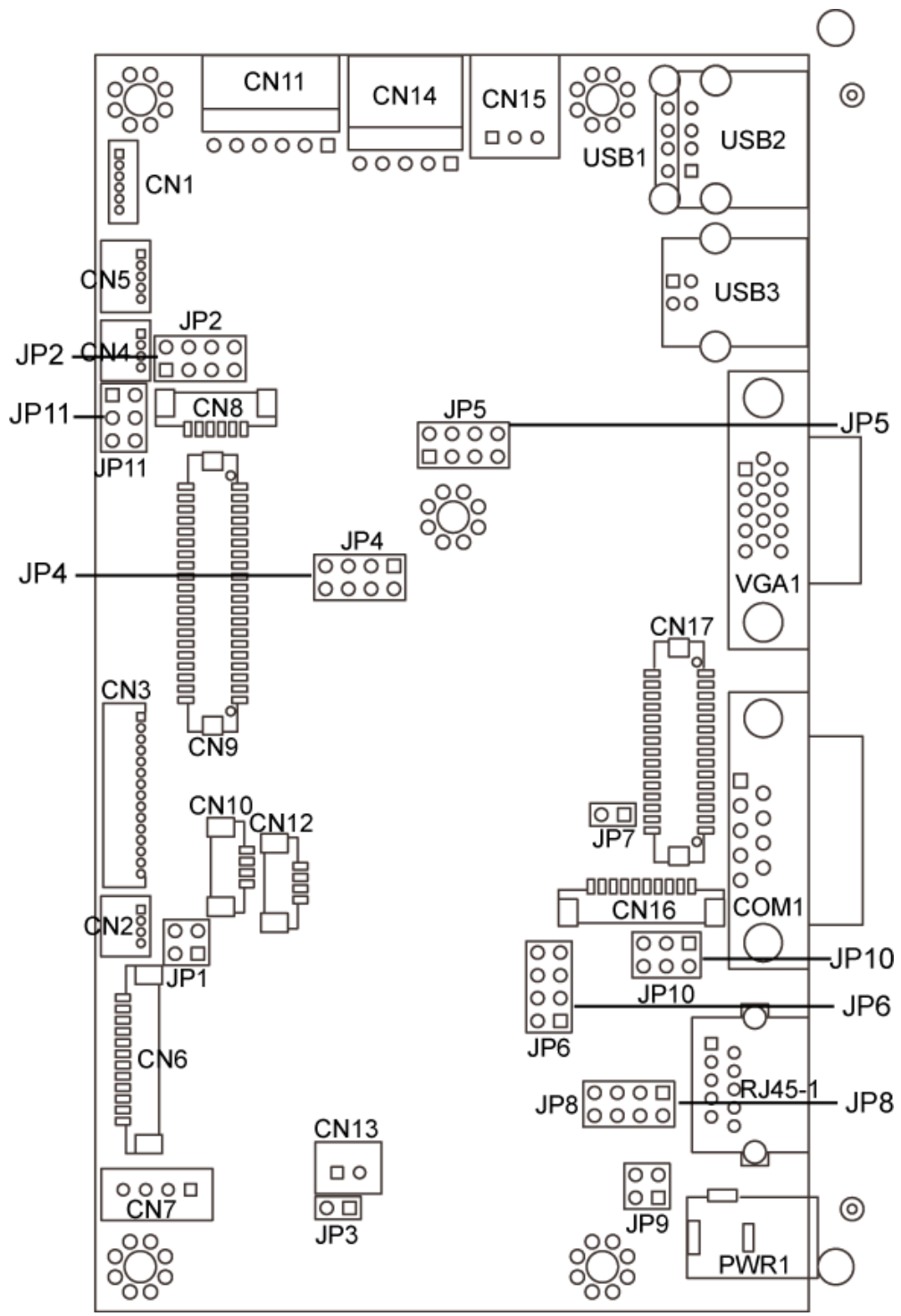
6

Jumper Settings

6-1 Connectors and Functions





Connector	Purpose
CN1	USB Audio
CN4	USB Port (Down-Stream)
CN6	Inverter Connector
CN8	Keypad Connector
CN9	LVDS Connector
CN10	PS/2 Input Connector
CN11	E-Turbo Touch Panel Connector
CN14	ELO Touch
CN15	OSD On/Off LED
CN16	COM Port Connector (Output)
PRW1	Power Adapter
RJ45-1	COM Port Connector (Output)
COM1	COM Port Connector (Input)
VGA1	VGA Input
USB2	USB Port (Down-Stream)
USB3	USB Port (Upstream)
JP2	USB Port Option
JP4	Panel ID Setting
JP5	USB Port Option
JP6 / JP8	Touch Interface Setting
JP10	COM Port Power Option
JP11	Touch Setting

6-2 Motherboard Layout





6-3 Jumper Setting



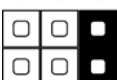
1. Touch Interface Setting

Function	JP6 (1-2,3-4,5-6,7-8)	JP8 (1-2,3-4,5-6,7-8)
RS232	1 3 5 7  2 4 6 8	1 3 5 7  2 4 6 8
▲USB	1 3 5 7  2 4 6 8	1 3 5 7  2 4 6 8

2. Touch Setting

Function / Location	JP11 (1-2,3-4,5-6)
▲EXTERNAL	1 3 5  2 4 6
INTERNAL	1 3 5  2 4 6

3. COM Power Setting

Function / Location	JP10 (1-2,3-4,5-6)
▲COM RI	1 3 5  2 4 6
COM+5V	1 3 5  2 4 6
COM+12V	1 3 5  2 4 6

▲ = Manufacturer Default setting

4. USB Channel Setting





PORT2																
Function / Location	JP2 (1-2, 3-4, 5-6, 7-8)															
USB (CN4)	<table style="border-collapse: collapse; margin: auto;"> <tr><td></td><td>1</td><td>3</td><td>5</td><td>7</td></tr> <tr><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td></tr> <tr><td></td><td>2</td><td>4</td><td>6</td><td>8</td></tr> </table>		1	3	5	7	■	■	■	■	■		2	4	6	8
	1	3	5	7												
■	■	■	■	■												
	2	4	6	8												
▲ USB to Audio	<table style="border-collapse: collapse; margin: auto;"> <tr><td></td><td>1</td><td>3</td><td>5</td><td>7</td></tr> <tr><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td></tr> <tr><td></td><td>2</td><td>4</td><td>6</td><td>8</td></tr> </table>		1	3	5	7	■	■	■	■	■		2	4	6	8
	1	3	5	7												
■	■	■	■	■												
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PORT4																
Function / Location	JP5 (1-2, 3-4, 5-6, 7-8)															
▲ MSR	<table style="border-collapse: collapse; margin: auto;"> <tr><td></td><td>1</td><td>3</td><td>5</td><td>7</td></tr> <tr><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td></tr> <tr><td></td><td>2</td><td>4</td><td>6</td><td>8</td></tr> </table>		1	3	5	7	■	■	■	■	■		2	4	6	8
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	2	4	6	8												
USB (CN2)	<table style="border-collapse: collapse; margin: auto;"> <tr><td></td><td>1</td><td>3</td><td>5</td><td>7</td></tr> <tr><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td><td style="background-color: black; color: white;">■</td></tr> <tr><td></td><td>2</td><td>4</td><td>6</td><td>8</td></tr> </table>		1	3	5	7	■	■	■	■	■		2	4	6	8
	1	3	5	7												
■	■	■	■	■												
	2	4	6	8												

5. LCD ID Setting

Panel Size	Resolution			LVDS		JP4 (1-2,3-4,5-6,7-8)															
				Bits	Channel																
15"	1024	x	768	24	Single	<table style="border-collapse: collapse; margin: auto;"> <tr><td></td><td>1</td><td>3</td><td>5</td><td>7</td></tr> <tr><td style="background-color: black; color: white;">■</td><td style="background-color: white; color: black;">□</td><td style="background-color: black; color: white;">■</td><td style="background-color: white; color: black;">□</td><td style="background-color: black; color: white;">■</td></tr> <tr><td></td><td>2</td><td>4</td><td>6</td><td>8</td></tr> </table>		1	3	5	7	■	□	■	□	■		2	4	6	8
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■	□	■	□	■																	
	2	4	6	8																	
17"	1280	x	1024	24	Dual	<table style="border-collapse: collapse; margin: auto;"> <tr><td></td><td>1</td><td>3</td><td>5</td><td>7</td></tr> <tr><td style="background-color: white; color: black;">□</td><td style="background-color: white; color: black;">□</td><td style="background-color: white; color: black;">□</td><td style="background-color: white; color: black;">□</td><td style="background-color: white; color: black;">□</td></tr> <tr><td></td><td>2</td><td>4</td><td>6</td><td>8</td></tr> </table>		1	3	5	7	□	□	□	□	□		2	4	6	8
	1	3	5	7																	
□	□	□	□	□																	
	2	4	6	8																	

▲ = Manufacturer Default setting

Note:    

OPEN SHORT