

Service Manual

MPOS 50 Series

*MPOS50-8B-LX800

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CHAPTER

Troubleshooting

Chapter 1 Troubleshooting

1.1 Symptoms and Solutions

Error Code	Symptom	Check Points	Detail Steps
			1. Check LED Light (Upper Left) should be on
			2. If yes to item 1, check if Battery is well plugged on the
			battery module
		1. Battery 2. RAM 3.MB	3. If yes to item 2, replace with another Battery for testing
			4. If still fail, remove battery module/ remove MSR
			module base/ I/O Cover, open rear cover, open EMI
3200	Rower On		chassis, remove inverter cable on M/B (CN1), check if
	Fower On		RAM well plugged on the memory slot
			5. Check golden finger cleanness, if not clean, use pencil
			eraser to clean golden finger
			6. If fail, replace with another RAM for testing
			7. If fail, replace with another mother board for testing
			8. If fail, RMA system to EBN
			1. Check if main unit is well plugged or not(The LED at
			right hand side will show orange/ green color if it is
			plugged correctly)
			2. If the LED is on, check if Battery is well plugged on the
			battery module
		1. Recharge cradle	3. If yes to item 2, push the power button to see if the LED
		2. Battery	light is on(Upper left)
		3. Power button cable	4. If the LED light is not on, check if power button cable is
3100	NO POWER	4. 52 I/O board	well plugged or not
		5. M/B to I/O connector	5. If yes to item 4, replace with another power button cable
		cable	6. If fail, check if 52 I/O board is well plugged or not
		6. MB	7. If yes to item 6, replace with another 52 I/O board
			8. If still fail, check if M/B to I/O cable if well plugged or
			not(MB CN32 and CN13)
			9. If yes to item 8, replace with another I/O cable
			10. If fail, replace with another mother board for testing
			11. If still fail, RMA system to EBN

Error Code	Symptom	Check Points	Detail Steps
3201	System HANG Up	1. CF 2. RAM 3. MB	 Shut Down Power, remove battery module/ remove MSR module base/ I/O Cover, open rear cover, check if CF is well plugged or not If yes to item 1, open EMI chassis, remove inverter cable on M/B (CN1), check if check if RAM well plugged on the memory slot Check golden finger cleanness, if not clean, use pencil eraser to clean golden finger If fail, replace with another RAM for testing If fail, replace with another MB for testing If fail, System RMA to EBN
3300	LCD Blank	1. Inverter 2. MB 3. M/B to LCD cable	 Shut Down Power, remove battery module/ remove MSR module base/ I/O Cover, open rear cover, open inverter cover, replace with another inverter for testing If fail, check if LCD signal cable well connected on MB(CN2) If yes to item 2, replace with another MB for testing If fail, replace with another LCD signal cable for testing If fail, System RMA to EBN
3301	LCD Turn Black	 Inverter Inverter Cable MB M/B to LCD cable LCD 	 Shut Down Power, remove battery module/ remove MSR module base/ I/O Cover, open rear cover, open inverter cover, check if inverter to LCD cable is well plugged or not. If yes to item 1, replace with another inverter for testing If fail, is, remove EMI cover, check if inverter cable well connected between MB(CN1) and inverter If yes, replace with another inverter cable for testing If fail, check if LCD signal cable well connected on MB(CN2) If yes, replace with another MB for testing If fail, replace with another LCD signal cable for testing If fail, replace another LCD for testing If fail, System RMA to EBN

Error Code	Symptom	Check Points	Detail Steps
3601	Unable to detect CF / Unstable CF	1. CF Card 2. CF Slot 3. MB	 Shut Down Power, remove battery module/ remove MSR module base/ I/O Cover, open rear cover, open EMI chassis, remove inverter cable on M/B (CN1), Check if CF Card well connected with CF Slot If yes to item 3, remove CF card, check if pins on CF slot located at the correct position If CF slot is damaged, go to item 7; if CF slot is not damaged go to item 6 If yes to item 4, replace with another CF card for testing If fail, replace with MB for testing If fail, system RMA to EBN
3602	Data Can't read and write	1. CF 2. MB	 Shut Down Power, remove battery module/ remove MSR module base/ I/O Cover, open rear cover, open EMI chassis, remove inverter cable on M/B (CN1), check if CF Card well connected with CF Slot If yes to item 2, replace with another CF card for testing If fail, replace with MB for testing If fail, system RMA to EBN
3500	CMOS checksum error	1. MB	 Shut Down Power, remove battery module/ remove MSR module base/ I/O Cover, open rear cover, open EMI chassis, remove inverter cable on M/B (CN1), replace with another MB for testing If fail, system RMA to EBN
3400	Touch malfunction	1. Driver (NA) 2. Touch to.MB cable 3. MB 4. Touch panel	 Reinstall touch driver If fail, shut down power, remove battery module/ remove MSR module base/ I/O Cover, open rear cover, open EMI chassis, remove inverter cable on M/B (CN1), check if touch panel cable well connected with MB If yes to item 2, replace with another MB for testing If fail, replace with another touch panel for testing If fail, RMA system to EBN

Error Code	Symptom	Check Points	Detail Steps
			1. Check if USB keyboard cable well connected with USB
			port
			2. If yes to item 2, replace with another keyboard(same
			model) for testing
	Boot Up, USB	1 USP Kayboard	3. If fail, replace with another keyboard(other model) for
3700	K/B	1. USB Keyboard	testing
	Malfunction		4. If fail, shut down power, remove battery module/ remove
			MSR module base/ I/O Cover, open rear cover, open EMI
			chassis, remove inverter cable on M/B (CN1), replace with
			another MB for testing.
			7. If fail, system RMA to EBN
3701	MSR Malfunction	1. MSR to 52 I/O board Cable 2. MSR 3. MB	 Shut down power, remove battery module, check if MSR cable well connected with 52 I/O Board If yes to item 2, replace with another MSR for testing If fail, open rear cover, open EMI chassis, remove inverter cable on M/B (CN1), replace with another MB for testing If fail, RMA MSR to EBN
3703	USB Device Malfunction	1. Device USB cable 3. MB	 Check if USB keyboard cable well connected with USB port If yes to item 2, replace with another keyboard(same model) for testing If fail, replace with another keyboard(other model) for testing If fail, shut down power, remove battery module/ remove MSR module base/ I/O Cover, open rear cover, open EMI chassis, remove inverter cable on M/B (CN1), replace with another MB for testing. If fail, system RMA to EBN

1.2 BIOS Upgrade

- 1.2.1 Equipment List:
- -USB Floppy Disk* 1 set
- -Keyboard* 1 set,
- -1.44MB Floppy Boot up Disk*1
- -BIOS file
- 1.2.2 Upgrade Process

Make a start up disk and copy BIOS and EXE file	
Item Photo	Description
Image: System Folder	 Put empty 1.44MB disk into USB floppy disk Plug the disk into another computer with XP OS installed Click "My Computer". The new device "Floppy A" will show on the screen
2 Pile Edit View Parcelles Tools Help Search Polders III - Address View system Falses Poly Rev Sys	 Right click floppy disk and select "Format"
3 System Capacity: SS", 1:44MB, S12 bytes/sector Capacity: SS", 1:44MB, S12 bytes/sector Capacity: SST Addo Char FAT Allocation unit size Consection size Volume label BOOT98SE Format options Consection Startup disk Start Cose	 Click "Create an MS-DOS startup disk" Click "Start"

Item	Photo	Description
4	New Points 1005 1005 1005 Bod: Image: Search Folders Image: Search Address Image: Search Folders Image: Search Image: Search Image: Search System Image: Search Image: Search Image: Search	1. Click "OK"
5	System Capacity: cuments Image: System Capacity: cuments Image: System S.S.*, 1.44MB, S12 bytes/sector image: System Image: System FAT tor's Documents Image: System FAT image: System Image: System Formatting 31/2 Floppy (A2) image: System Image: System Formatting 31/2 Floppy (A2) image: System Image: System Image: System image: System	 Click "OK". The start up disk is created
6	Name Size Type AUTOEXEC.BAT 0 KB MS-DOS Batch File COMMAND.COM 91 KB MS-DOS Application 0 KB System file 0 LSPLAY.SYS 17 KB 0 EGA2.CPI 58 KB 114 KB System file 12 KB System file 13 KB System file MODECOM 29 KB MS-DOS Application 1 KB System file	 Check the files in floppy disk Leave 3 files in the floppy disk, delete the rest files highlighted.
7	View Favoritos Tools Help View Favoritos Tools Help Image: Search Image: Folders Image: Size Type Image: Artic Size Type Size Type Image: Artic Image: Size Size Type Image: Artic Image: Size Size Size Image: Artic Image: Size Size Size Size Image: Artic Image: Size Image: Size Size Size Size Image: Artic Image: Size Image: Size Image: Size Size Size Size Image: Size Image: Size	 Only 3 files left in the floppy disk "COMMAND.COM" "IO SYS" (hidden file) "MSD OS.SYS"(hidden file) Copy BIOS file and EXE. File into floppy disk

Item	Photo	Description
8	A:\>dir Volume in drive A has no label Volume Serial Number is 2A87-6CE1 Directory of A:\ COMMAND COM 93,040 06-08-00 5:00p AWDFLASH EXE 49,218 11-11-05 6:13p 524,288 12-28-06 11:10a 3 file(s) 666,546 bytes 0 dir(s) 673,280 bytes free A:\>_	 Plug the floppy disk into Mobile POS Power on the computer Ensure that 3 files show on the screen Commend COM AWDFLASH EXE BIOS file(Ex: B010R~1 Bin)
Update	e BIOS file	Department
1 2	Proces	 4. Reboot Mobile POS 50 5. Press "Del" button 6. Choose "Advanced BIOS Features" 7. Press "Enter" Key 1. Choose "First Boot Device". 2. Press "Enter" Key
3	Phoenix - AmardB105 CH05 Setup Utility Advanced B105 Features Uires Warning CHU laternal Cache [Disabled] [Disabled] Iten Help Patt Boat Bevice [USB-786] New Level > Third Bust Bevice First Bust Bevice New Level > Third Bust Bevice First Boat Bevice New Level > Third Bust Bevice First Bust Bevice New Level > Topenatic Bate 05 Sizzo 1 Scie A25 Option Sizzo 1 Security Bation (SS-780) 1 Sail Lago(EPA) S Sizzo 1 Timove Enter:Select * * Timove Enter:Select * * Ti**:Bove Enter:Select * * Ti**:Bove Nalees * * Ti* * * Ti* * * Ti* * * Secont Use * * Secont Use * * Ti:Bove EMIER:Accept ESC:Ahort * Ti* * * Secont Use * * Ti:Bove EMIER:Accept E	 Select "USB-FDD". Press "Enter" Key Press "F10". Press "Enter" key to save the file

Item	Photo	Description
4	0 15 4 1022 2094 0C03 USB 1.0/1.1 OHCI Cutrir 11 0 15 5 1022 2095 0C03 USB 2.0 EHCI Cutrir 11 Werifying DHI Pool Data	1. Key in BIOS Utility and BIOS Version needs to be updated. Ex: "awdflash b010wr10.bin"
5	AwardBIOS Flash Utility V8.63B (C)Phoenix Technologies Ltd. All Rights Reserved For AMD-LX800-6A43A19BC-00 DATE: 05/11/2006 Flash Type - PMC Pn49FL004T LPC/FWH File Name to Program : 5010wr10.bin Message: Do You Want To Save Bios (Y/M)	1. Press "N". Press "Enter" Key
6	AwardBIOS Flash Utility V8.63B (C)Phoenix Technologies Ltd. All Rights Reserved For AMD-LX800-6643A19BC-00 DATE: 05/11/2006 Flash Type - PMC Pm49FL004T LPC/FWH File Name to Program : b010wr10.bin Message: Fress 'Y' to Program or 'N' to Exit	1. Press "Y". Press "Enter" Key
7	AwardBIOS Flash Utility V8.63B (C)Phoenix Technologies Ltd. All Rights Reserved For AMD-LX800-6A43A19BC-00 DATE: 05/11/2006 Flash Type - PMC Pm49FL004T LPC/FWH File Name to Program : 0010wr10.bin Programming Flash Memory - 00000 OK Write OK No Update Write Fail Warning: Don't Turn Off Power Or Reset System 1	Note: DO NOT TURN OFF or RESET SYSTEM Until the BIOS update is completed. Stopping the BIOS update before it is completed will cause the system to become non-functional.

Item	Photo	Description
8	AwardBIOS Flash Utility V8.63B (C)Phoenix Technologies Ltd. All Rights Reserved For AMD-LX800-6A43A19BC-00 DATE: 05/11/2006 Flash Type - PMC Pm49FL004T LPC/FWH File Name to Program : Deferring in Plashing Complete Remove Floppy viskette a mit vri> to Continue Write OK No Update Write Fail F1 Reset	 Wait till the screen shows "Flashing Complete". Press "F1" to reset
9	Phoenix - AwardBIOS v6.00PG, An Energy Star Ally Copyright (C) 1984-2003, Phoenix Technologies, LTD LX800 NIOS R1.0 (05/11/2006) Main Processor : Geode GX-MMX 500MHz Memory Testing : 515840K OK + 8M shared memory	 Double check the BIOS version is updated when the system resets. Note: The BIOS contained here is exclusively for EBN MPOS 50 Series only. EBN has no responsibility for any damages resulting from improper use or lacking of technical expertise at field side

CHAPTER CHAPTER

Disassembly, Assembly

- Chapter 2 Disassembly, Assembly
 - 2.1 Main Unit
 - 2.1.1 Touch Panel + Touch Screen Holder

Item	Photo	Description
1		1. Unpack handheld belt
2		 Remove 2 screw pad Remove 2 screws from I/O cover
3		 Move the clicker to right and push up
4		 Remove battery from battery module

Item	Photo	Description
5		 Remove 4 screws from MSR reader module cover
6		 Remove MSR reader module cover Remove handheld belt
7		1. Remove I/O cover
8		 Remove power button cable Remove 4 screws from I/O board Remove MSR cable if needed

Item	Photo	Description
9		1. Remove I/O board from MSR module base
10		1. Remove 4 screws from MSR module base
11		1. Remove MSR module base
12		 Remove 4 screws from LCD rear cover Be aware of different screw length. The misplace of the screw will cause the LCD broken

Item	Photo	Description
13		 Push out the LCD rear cover to loose clicker Push down the LCD rear cover to enable COM port go underneath the cover Push up the LCD rear cover to loose clicker
14		 Remove 2 hex nuts from COM port Remove cable (inverter to LCD)
15		 Remove 4 screws from EMI cover Remove cable(inverter to M/B)

Item	Photo	Description
16		1. Push up the EMI cover
17		 Remove touch panel cable Pull up the black tape
18		1. Remove the LCD module / M/B and EMI cover from touch panel module
19		1. Replace with another touch panel module

2.1.2 LCD, AUO 8.4"

Item	Photo	Description
1	<image/>	 Follow 2.1.1 item 1 to 16 Remove cable (touch panel to M/B)(CN29) and pull up the black tape Pull out LED cable from LED frames Remove cables (LCD to M/B) (CN2) and (LED to M/B)(CN6)
2		1. Remove 4 screws from M/B
3		1. Remove M/B and EMI chassis

Item	Photo	Description
4		 Remove 2 heat pads Remove mylar from M/B
5		1. Turn to front side. Remove 4 screws from LCD chassis
6		 Remove LCD cable Replace with another LCD

2.1.3 LCD Chassis

Item	Photo	Description
1		 Follow 2.1.2 item 1 to 4 Remove 4 screws on LCD Pull out 3 LED frames from LCD chassis

Item	Photo	Description
2		1. Replace with another LCD chassis

2.1.4 M/B



Item	Photo	Description
2		 Remove 4 screws Remove RAM from M/B(CN9) Remove CF from M/B(CN8) Replace with another M/B

2.1.5 EMI A/D Cover

Item	Photo	Description
1		 Follow 2.1.1 item 1 to 14 Remove 4 screws Remove inverter cable Remove 8 screws from speaker
2		 Remove 2 screws from inverter cover Remove inverter cover
3		 Remove I/O cable from I/O board Pull out 2 speakers

Item	Photo	Description
4		 Remove 2 screws from I/O board Remove I/O board from EMI cover Replace with another EMI cover



Item	Photo	Description
1		 Follow 2.1.1 item 1 to 14 Remove inverter cable Remove 8 screws from speaker Remove 4 screws Open EMI cover
2		1. Remove audio cable(CN17) from M/B
3		 Replace with another speaker module Note: The white cable goes to left hand side, while red cable goes to right hand side

2.1.7 Inverter

Item	Photo	Description
1		 Follow item 2.1.1 item 1 to 14 Remove inverter cable Remove 1 screw from inverter cover
2		1. Remove 2 screws from inverter cover
3		1. Remove 2 screws from inverter
4		1. Replace with another inverter

2.1.8 Inverter Cover

Item	Photo	Description
1	30100065	 Follow item 2.1.7 item 1 to 3 Replace with another inverter cover
	2.1.0. 51 1/O Poord	

Item	Photo	Description
1		 Follow 2.1.1 item 1 to 14 Remove inverter cable Remove 4 screws Open EMI cover
2		1. Remove I/O cable from EMI cover
3		 Turn the EMI cover to the other side Remove 2 screws from 51 I/O board Replace with another 51 I/O board

	2.1.10 LCD Rear Cover	
Item	Photo	Description
1		 Follow 2.1.1 item 1 to 13 Replace with another LCD rear cover

2.1.11 I/O Cover

Item	Photo	Description
1		 Follow 2.1.1 item 1 to 6 Replace with another I/O Cover

2.1.12 MSR Module Base+ Power Button

Item	Photo	Description
1		 Follow 2.1.1 item 1 to 10 Replace with another MSR module

	2.1.13 MSR Reader Module Cover		
Item	Photo	Description	
1		 Follow 2.1.1 item 1 to 5 Remove MSR reader module cover 	
2		1. Replace with another MSR reader module cover	

2.1.14 52 I/O Board

Item	Photo	Description
1		 Follow 2.1.1 item 1 to 8 Replace with another 52 I/O Board

2115	Batterv	Module
2.1.10	Dattory	module

Item	Photo	Description
1		 Follow 2.1.1 item 1 to 3 Replace with another Battery module

	2.1.16	Handheld Belt	
Item		Photo	Description
1			1. Unpack handheld belt
2			1. Remove 4 screws from MSR reader module cover
3			1. Replace with another handheld belt

- 2.2 Cables
 - 2.2.1 Cable, M/B to Inverter

Item	Photo	Description
1		 Follow 2.1.1 item 1 to 15 Push up the EMI cover

Item	Photo	Description
2		 Remove inverter to M/B cable(CN1)
3		1. Replace with another inverter cable

Item	Photo	Description
1		 Follow 2.1.2 item 1 to 6 Remove LCD cable
1		1. Replace with another LCD cable

	2.2.3 Cable, M/B To LED	
Item	Photo	Description
1		 Follow 2.1.1 item 1 to 16 Pull out the 2 LED from LED frames Cut plastic belt (Green at the left / white in the middle) Remove LED cable (CN6)
2		1. Replace with another LED cable

2.2.4 Cable, M/B To I/O Connector



Item	Photo	Description
3		1. Replace with another I/O Connector cable

2.3 Accessories

2.3.1 MSR

HW Installation			
Item	Photo	Description	
1		1. Take out MSR module	
2		 Follow 2.1.1 item 1 to 5 Put MSR module at upper position Fasten 2 screws to tighten MSR module Plug MSR cable to I/O board Follow steps back to 2.1.1 item 1 	
Verificati	on: RS232 type		
Item No.	Photo	Description	
1	Image: Second	 Enter to "All Programs" → "Communication" → "Hyper Terminal" 	

Item No.	Photo	Description
2	Default Telnet Program? ? Image: We recommend that you make HyperTerminal your default telnet program. Do you want to do this? Image: We recommend that you make HyperTerminal your default telnet program. Do you want to do this? Image: Image: Don't ask me this question again Image: Yes Image: Yes No	1. Click "Yes" to continue
3	Location Information Image: Constraint of the second s	1. Set "area code" and click OK
4	Phone and Modem Options Image: Control of the second s	1. Click OK
5	Connection Description Image: Connection Name: Image: Connection test Image: Connection Icon: Image: Connection Image: Connection Image: Connection	1. Enter a name and Click OK

Item No.	Photo	Description
6	Connect To ? X Image: Second state of the phone number that you want to dial:	 Select on using COM2 port for MSR (Select COM3 if scanner installed) Click "OK"
7	COM1 Properties	1. Set Bits per second to be 9600 bps.
8	Itest - HyperTerminal Image: Connected 0:00:18 Auto detect 9600 8-N+1 SCROLL CAPS NUM Capture E	1. Test OK

2.3.2 Smart Card

HW Ins	stallation		
Item 1	Photo	1.	Description Take out smart card module
2	1 2	1.	Follow 2.1.1 item 1 to 5 Remove MSB reader module
			cover
		3.	Turn MSR reader module cover
			to the other side
3		1.	Put smart card in the reader
		2.	Fasten 2 screws to tighten
			smart card
4		1.	Plug smart card cable on I/O
		2.	Follow steps back to 2.1.1 item
			1

Verifica	ation	
Item	Photo	Description
1	Image: Section of the section of th	1. Click "start"→"Setting"→"Control Panel"→"System"
2	Image: state in the	 Click "Hardware" Click "Device Manager"
3	Accor view help A	 Click ""Detect plug in device" Double click "USB Device"
4	Image:	1. Click "Update Driver"





Item	Photo	Description
13		1. Insert any smart card into smart card reader
14	Average Description Save Breadth STD2000 Colored Save Breadth STD2000 Colored Save Breadth STD2000 Colored Colored Down Timelenes 0 Auto Balons Colored Down Timelenes 0 0 Colored Down Timelenes 0 0 0 0 Colored Down Timelenes 0 0 0 0 0 Colored Down Timelenes 0 0 0 0 0 0 0 Colored Down Timelenes 0 Colored Down Timelenes 0 <	 The test result "PASS" will show on the screen The installation is completed

2.3.3 Barcode Scanner

Item	Photo	Description
1		1. Take out smart card module
2		 Follow 2.1.1 item 1 to 5 Remove MSR reader module cover Remove handheld belt

Item	Photo	Description
3		 Put barcode scanner module on MSR module base Fasten 2 screws to tighten barcode scanner Turn Mobile POS 90° to the left
4		 Put the cable into the connector on I/O board
5		 Push in the cable Lock the cable by pushing in black clicker Follow steps back to 2.1.1 item 1
Verifica	tion:	
1 Item No.	Photo Ph	Description 1. Enter to "All Programs" → "Communication" → "Hyper Terminal"
	Window Mode Right All Programs Window Moder Right Window Row Row Right Window Row Row Right Win	

Item No.	Photo	Description
2	Default Teinet Program? ? X We recommend that you make HyperTerminal your default telnet program. Do you want to do this?	1. Click "Yes" to continue
3	Location Information Image: Control of the system at this location uses: Image: Control of the system at this location Image: Control of the system at this location	1. Set "area code" and click OK
4	Phone and Modem Options Image: Control of	1. Click OK
5	Connection Description Image: Connection Enter a name and choose an icon for the connection: Name: Test Icon: Image: Connection Icon: Image: Connection Icon: Image: Connection	1. Enter a name and Click OK

Item No.	Photo	Description
6	Connect To ? × Stest Enter details for the phone number that you want to dial: Country/region: United States (1) Area code: 02 Phone number:	 Select on using COM3 port for barcode scanner (Select COM2 if MSR installed) Click "OK"
7	COM1 Properties	1. Set Bits per second to be 9600 bps.
8	Itest - HyperTerminal File Edit Edit Edit Edit Edit Edit Edit Edit Edit Edit Edit Edit	1. Test OK

2.3.4 WLAN IEEE

Item	Photo	Description
1		1. Follow 2.1.1 item 1 to 11
		2. Use adhesive tape to stick
2.		WLAN IEEE with rear cover
		3. Plug in the WLAN IEEE cable to
		USB port
		4. Follow steps back to 2.1.1 item
		1
		5. Follow the steps in driver CD for
		installation process

	2.3.5 WLAN Bluetooth	
Item	Photo	Description
1		1. Follow 2.1.1 item 1 to 11
		2. Use adhesive tape to stick blue tooth with rear cover
		USB port
		 4. Follow steps back to 2.1.1 item 1 1 5 1 6 1 6 7 7 8 8 9 9<
		installation process

2.3.6 Compact Flash



2.3.7 Memory

Item	Photo	Description
1		1. Follow 2.1.1 item 1 to 16
		2. Put RAM in the RAM slot
		3. Follow steps back to 2.1.1 item
		1

CHAPTER CHAPTER

Spare Parts

Chapter 3



Chapter 3 Spare Parts

- 3.1 Main Unit
 - 3.1.1 Explode of Main Unit

1 3 \mathbf{n}

3.1.2 Main Unit Parts List & Quotation

Item	Part No.	Description	Q'ty	Price (USD)
1+2	A10400237RH	Plastic Bezel: 8.4"LCD W/ Water proof sealed stick	1	
		Touch Panel: 8.4", Resistive, HT-084F-5RA-002N-18	1	Call Sales
3	21100011RH	AUO 8.4" LCD PANEL	1	Call Sales
4	30100061RH	LCD chassis (AL=1.0mm)	1	Call Sales
5	10100047RH	LX-800 M/B	1	Call Sales

Item	Part No.	Description	Q'ty	Price (USD)
7+8+ 9+10 +11	A10400561RH	EMI Chassis Module	1	Call Sales
12	30200061BRH	Cover: 8.4 LCD rear cover, Black	1	Call Sales
13	30200051BRH	Cover: I/O Cover, Black	1	Call Sales

3.2 Battery Module

3.2.1 Explode of Battery Module



3.2.2 Battery	/ Module	Parts	List 8	Quotation
o.c.c Dullor	y modulo	i uito		Guotation

Item	Part No.	Description	Q'ty	Price (USD)
1+16	30200058BRH +21600116RH	Plastic Base: Reader Module Base, PC+ABS, Black	1	Call Sales
5	10100039RH	52 I/O Board	1	Call Sales
10	30200057BRH +30500026RH	Cover: Reader Module Cover, Black W/ Len LED	1	Call Sales
11	30200059BRH	Cover: Scanner Cover, Black	1	Call Sales
12	30200060BRH	Cover: Smart Card Cover, Black	1	Call Sales
15	A10400199RH	Battery Module: 11.1V, 2400mA, Li-ion 3P1S SONY Cell, 68 x 55 x 23.5(mm)	1	Call Sales



3.3 Recharge Cradle

3.3.1 Explode of Recharge Cradle



3.3.2 Recharge Cradle Part List & Quotation

Item	Part No.	Description	Q'ty	Price (USD)
1+2+ 3+5+	A10400116RH	Recharge Cradle Module	1	Call Sales
6				

Part No.	Description	Photo	Price(USD)
21600094RH	Inverter cable		Call Sales
21600103RH	I/O CONNECTOR cable, P=2.0 44Pin , MOLEX P=1.25 4Pin+MOLEX P=1.25 4Pin+MOLEX P=1.25 15Pin+MOLEX P=1.25		Call Sales
21600095RH	LCD CABLE for AUO panel		Call Sales
21600041RH	LED cable		Call Sales
31400003RH	Heat pad 40*40*2(mm)		Call Sales

Part No.	Description	Photo	Price(USD)
31400004RH	Heat pad 23*23*2(mm)	8.5 10 20 30 40 5.5 1 -65R=1 20	Call Sales
31700001RH +31700002R H	Hand Held Belt		Call Sales
40200016RH	Carton: Inner Packing Carton 321 *228 *585 (mm)		Call Sales
40200024RH	Carton: Outer Packing Carton 700*310*210(mm)	Image: Second and the sec	Call Sales

Part No.	Description	Photo	Price(USD)
40800014RH	EPE Sponge for Mobile POS Main Unit(Left and Right)		Call Sales
40800023RH	EPE Sponge for Mobile POS Recharge Cradle(Left and Right)		Call Sales
31800001RH +31800002R H	Leather Bag: Bag w/ Belt		Call Sales

3.4 Accessories

3.4.1 Power Cord

Part No.	Description	Photos	Price(USD)
20700001RH	POWER CORE FOR USA		Call Sales
20700005RH	POWER CORD FOR UK		Call Sales
20700002RH	POWER CORD FOR EUR		Call Sales
20700004RH	POWER CORD FOR Australia		Call Sales

3.4.2 Memory

Part No.	Description	Photo	Price(USD)
20300005RH	400MHz DDR MODULE		
	128M(200PIN-SO DIMM)		Call Sales
20300006RH	400MHz DDR MODULE		
	256M(200PIN-SO DIMM)		Call Sales
20300007RH	400MHz DDR MODULE		
	512M(200PIN-SO DIMM)(Call Sales

3.4.3 C	ompact Flash		
Part NO.	Description	Photo	Price(USD)
20600001RH	Compact Flash 128MB		Call Sales
20600002RH	Compact Flash 256MB	Industrial Compact Flash 128MB	Call Sales
20600003RH	Compact Flash 512MB		Call Sales
20600005RH	Compact Flash 1G		Call Sales
20600007RH	Compact Flash 2G		Call Sales

3.4.4 MSR

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Part NO.	Description	Photo	Price(USD)
20400008RH	MSR 3 Tracks, RS232		Call Sales

3.4.5 Smart Card

PART NO.	Description	Price(USD)
A10400198RH	Smart Card Module for Mobile POS	Call Sales

3.4.6 Barcode Scanner

PART NO.	Description	Price(USD)
A10400197RH	Barcode Scanner Module: Laser Engine W/	Call Sales
	RS-232+130mm FPC CABLE	

3.4.7 OS

PART NO.	Description	Price(USD)
20900001RH	WinXP Professional, English Version	Call Sales
20900002RH	WEPOS, English Ver.	Call Sales

3.4.8 Wireless LAN

PART NO.	Description		Photo	Price(USD)
6090002RH	WiFi WLAN:WiFi 802.11b/g USB	WLAN		Call Sales
61000001RH	Bluetooth V1.2 DONGLE(BT-01UD1)	USB		Call Sales