

Service Manual

POStation 7000 Series



Version 1.0

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Table of Contents

- I. Part List..... 4
- II. Flash/Update BIOS..... 8
- III. System Disassembly..... 10

Table of Figures

Figure 1 Explode of the System 4
Figure 2 Cables 6
Figure 3 Mainboard Layout 7

I Part List

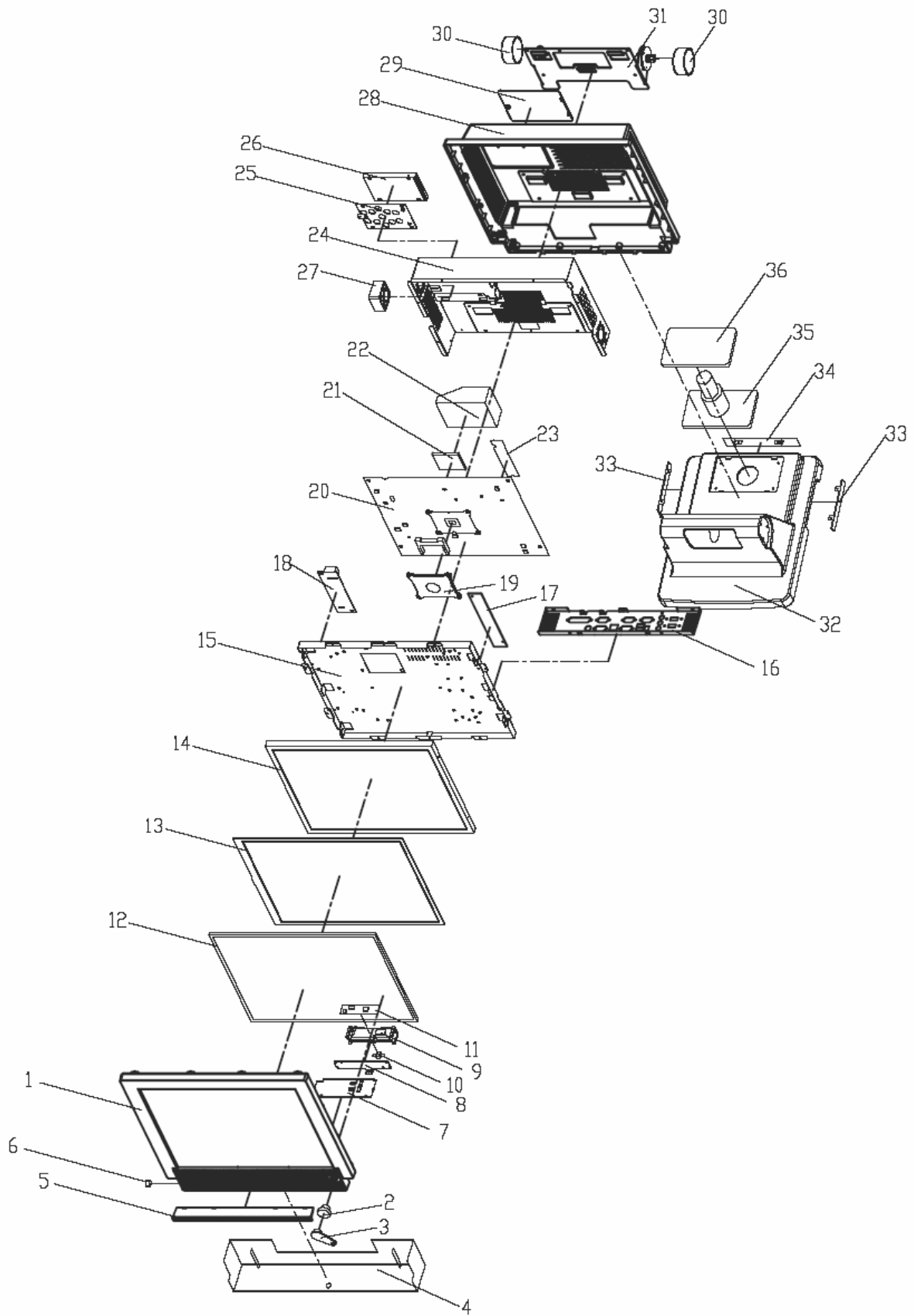


Figure 1 Explode of the System

No.	Part No.	Description
1	JP-POS-6000-LCD-FRONT	System Front Cover
2	KP-POS-7000-IBUTTON-READER	I-Button Reader (Option)
3	KP-POS-7000-I-BUTTON	I-Button (Option)
4	JP-POS-6000-BOTTOM-COVER	Bottom Base Cover
5	JP-POS-MSR-SLOT-COVER	MSR Cover
6	JP-POSMAL-KNOB	On/Off Switch
7	BP-PART-POS-7000-I-BUTTON-PCBA	I-Button Decoder Board
8	KP-POS-6000-MCR-HOLDER	MSR Holder (Option)
9	JM-MCR-9-STAND-1H-B	MSR Stand (Option)
10	RH-RMB-33-W7-NS-30-14	MSR Manetic Head (Option)
11	BM-PCBA-MMSR-106-KU	MSR Decoder Board (Option)
12	JP-POS-5050-RUBBER	Touch Panel Rubber
13	BP-HT-150F-5RA-G01N-18R-200FH	Touch Panel
14	LC-POS-7000-CLAA150XP01Q	LCD Panel
15	KP-POS-7000-LCD	LCD Panel Holder
16	KP-POS-7000-IO-TY	I/O Bracket
17	BP-PART-POS-6000-QF133V1.15S	Invertor
18	BP-PART-POS-7000-HT-580-PCBA	Touch Control Board
19	BP-PART-POS-7000-DFC701012H	CPU Gasket
20	BP-PART-POS-7000-MB-PCBA	Mainboard
21	BP-PART-POS-7000-CPU-2.0G	CPU
22	BP-PART-POS-7000-DFC701012H	CPU Cooler with Fan
23	BP-PART-POS-7000-DDR400-256	RAM 256MB
	BP-PART-POS-7000-DDR400-512	RAM 512MB (Option)
	BP-PART-POS-7000-DDR400-1G	RAM 1GB (Option)
24	KP-POS-6000-COVER	Mainboard Cover
25	KP-POS-6000-HD-HOLDER	HDD Holder
26	BP-PART-CUBIC-2.5HDD	2.5" HDD
27	BP-PART-POS-7000-DFB402012L	System Fan
28	JP-POS-6000-LCD-REAR	System Rear Cover
29	JP-POS-6000-HD-COVER	HDD Cover
30	JP-POS-7000-HINGE-SWIVEL-B	Hinge Swivel Cover
31	BP-SEMI-POS-7000-HINGE-HOLDER	Hinge Holder
32	KP-POS-7000-BASE	Alumium Base
33	JP-POS-6000-SIDE-COVER	Base Side Cover
34	JP-POS-6000-BASE-REAR-COVER	Base Rear Cover
35	JP-POS-6000-DISPLAY-HOLDER	Display Holder (Option)
36	JP-POS-6000-DISPLAY-COVER	Base Top Cover

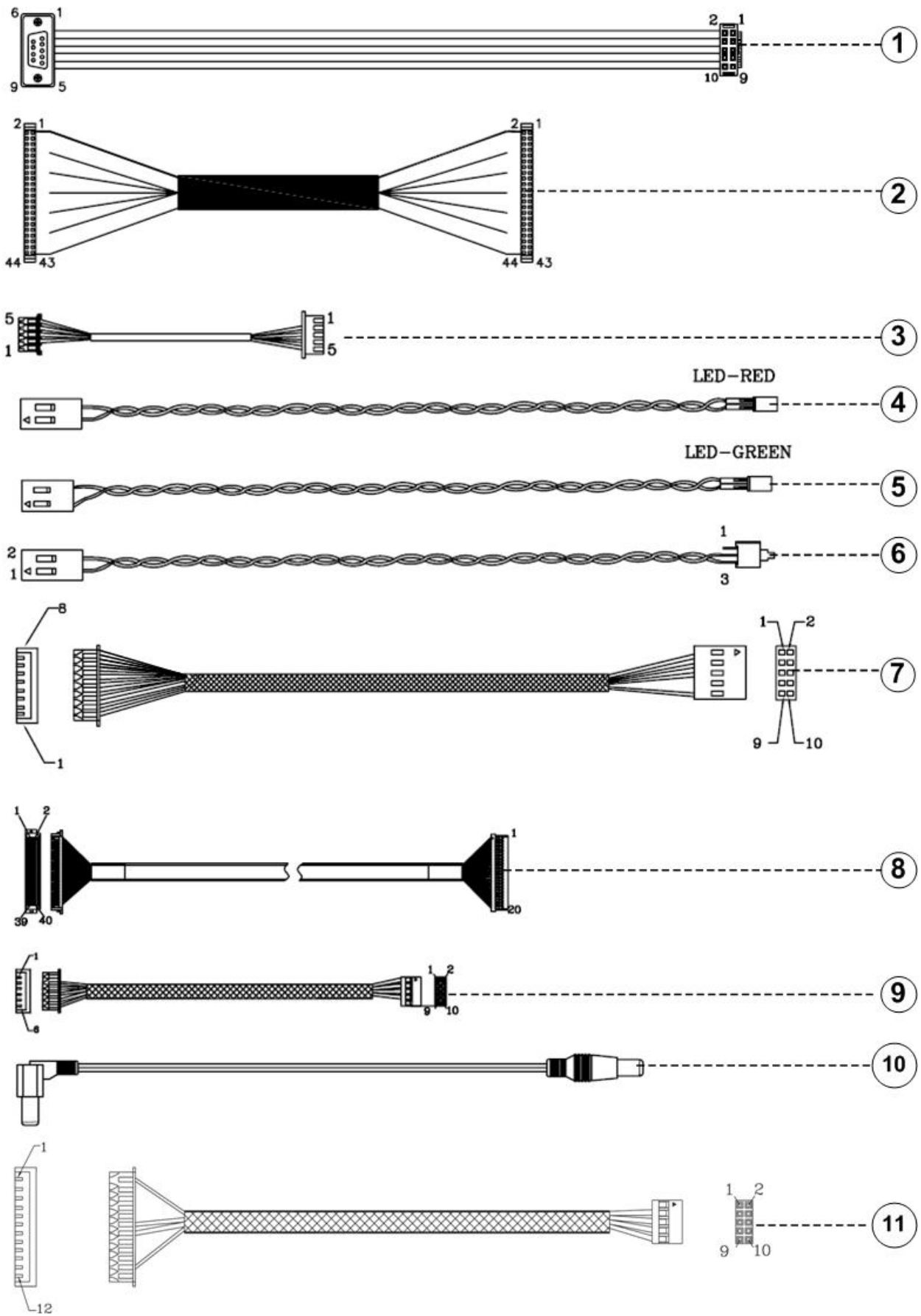


Figure 2 Cables

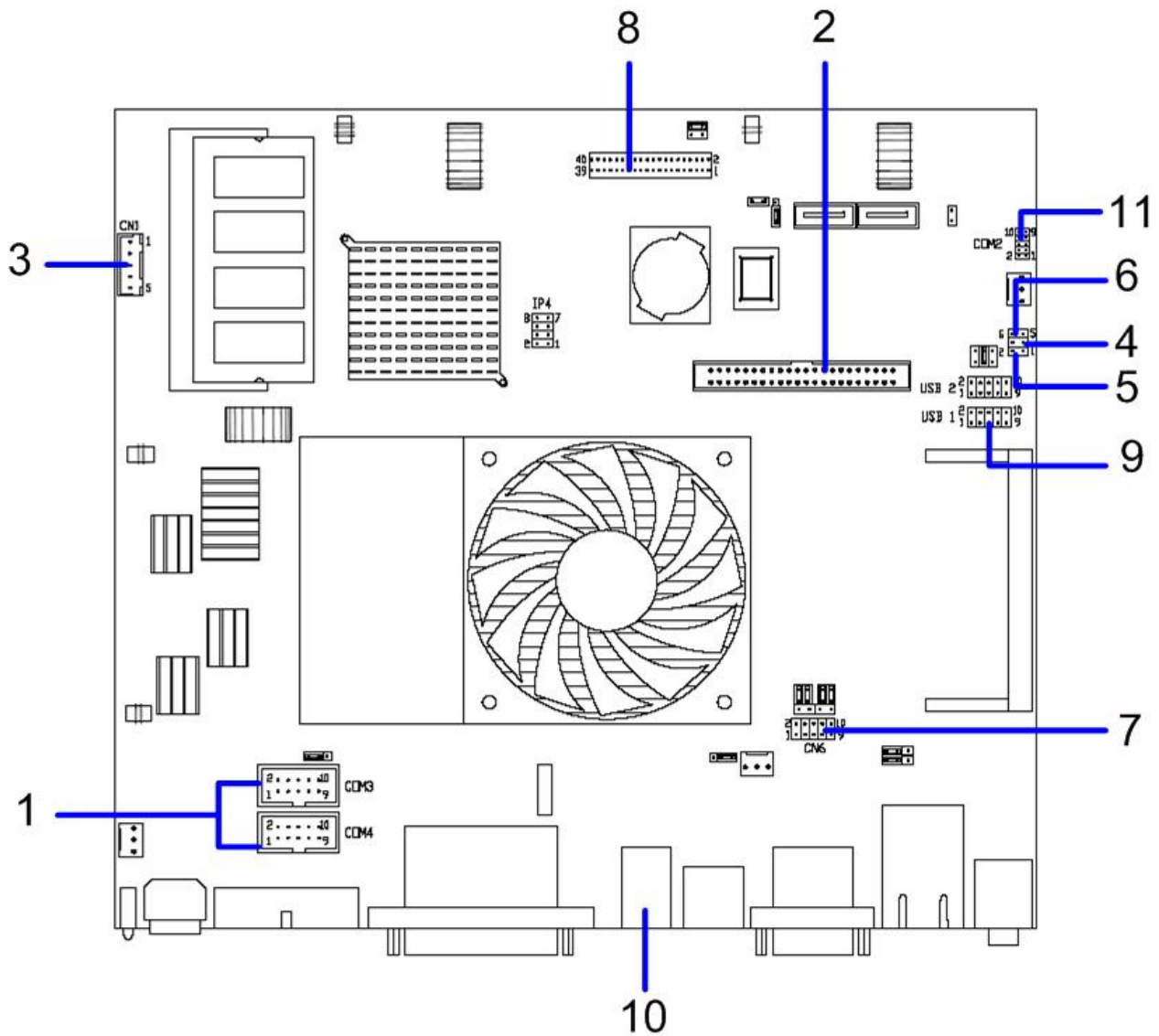


Figure 3 Mainboard Layout

No.	Part No.	Description
1	CP-CBL-POS-7000-COM3&4	COM Port DB9 RS-232 Cable
2	CP-CBL-POS-7000-HDD	HDD Cable
3	CP-CBL-POS-7000-INT	Invertor Cable
4	CP-CBL-POS-7000-LED-HDD	HDD LED Cable
5	CP-CBL-POS-7000-LED-PW	Power LED Cable
6	CP-CBL-POS-7000-SW-B27cm	Power Switch Cable
7	CP-CBL-POS-7000-MMSR KUR	MSR Cable (Option)
8	CP-CBL-POS-7000-LVDS	LVDS Cable
9	CP-CBL-POS-7000-TH-U	Touch Control Board Cable (USB)
10	CP-CBL-POS-7000-VFD-PW	VFD/Monitor Power Cord (Option)
11	CP-CBL-POS-7000-I-BUTTON	I-Button Cable

II Flash/Update BIOS

1. Connected an external USB floppy or CD-ROM to POS-7000. Insert a DOS floppy or CD. Enter the DOS system.
2. As “A:\>” appears, enter “dir” and press the <Enter> key. The content of the floppy or CD will show on the screen. As the figure shown below, there are 2 items “COMMAND COM” and “FLASHROM” in the floppy.

```
Starting Windows 98...

Microsoft (R) Windows 98
(C)Copyright Microsoft Corp 1981-1999

A:\>dir

Volume in drive A has no label
Volume Serial Number is 009E-4447
Directory of A:\

COMMAND COM          94,292    05-05-99  22:22
FLASHROM              <DIR>     06-21-07  17:10
    1 file(s)                94,292 bytes
    1 dir(s)                 498,176 bytes free

A:\>
```

3. Enter “cd” before the item to be updated then press the <Enter> key to go to the root directory. As the figure shown below, flashrom is the item to be updated; thus “cd flashrom” is entered to go to the root directory of flashrom.

```
Starting Windows 98...

Microsoft (R) Windows 98
(C)Copyright Microsoft Corp 1981-1999

A:\>dir

Volume in drive A has no label
Volume Serial Number is 009E-4447
Directory of A:\

COMMAND COM          94,292    05-05-99  22:22
FLASHROM              <DIR>     06-21-07  17:10
    1 file(s)                94,292 bytes
    1 dir(s)                 498,176 bytes free

A:\>cd flashrom_
```


4. Enter “dir” and then press the <Enter> key. The content of the item to be updated will show on the screen. Enter “go” and the item will be flashed automatically. Do not turn off the computer or make any disturbance in the process of flashing.

```
COMMAND COM      94,292  05-05-99  22:22
FLASHROM        <DIR>      06-21-07  17:10
                1 file(s)    94,292 bytes
                1 dir(s)   498,176 bytes free

A:\>cd flashrom

A:\FLASHROM>dir

Volume in drive A has no label
Volume Serial Number is 009E-4447
Directory of A:\FLASHROM

.                <DIR>      06-21-07  17:10
..               <DIR>      06-21-07  17:10
AFUDOS  EXE      103,832  06-23-05  17:15
CHKSUM  EXE       9,996   03-12-02  16:52
E125MR10 BIN    524,288  06-06-07  10:24
GO      BAT        36   06-06-07  10:42
HISTORY ICP       640   06-06-07  10:39
        5 file(s)    638,792 bytes
        2 dir(s)    498,176 bytes free

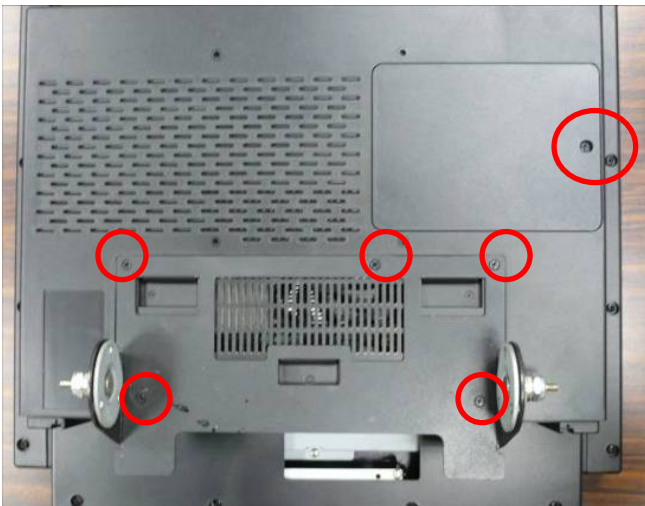
A:\>FLASHROM>go_
```

5. Remove the external USB floppy or CD-ROM. Reset the computer.

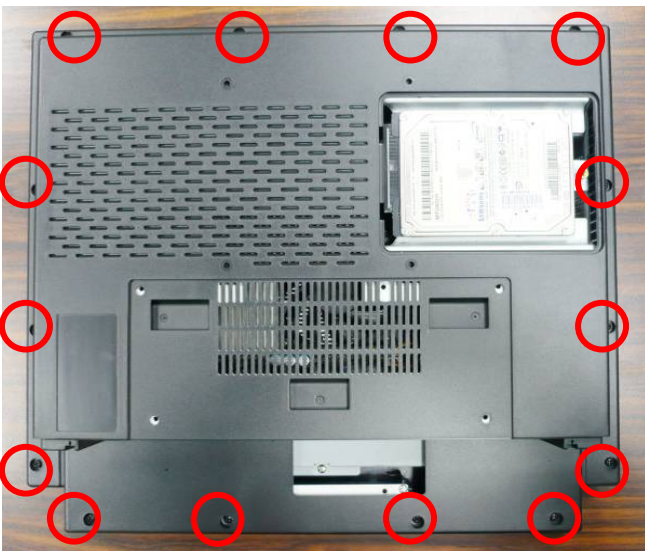
III System Disassembly



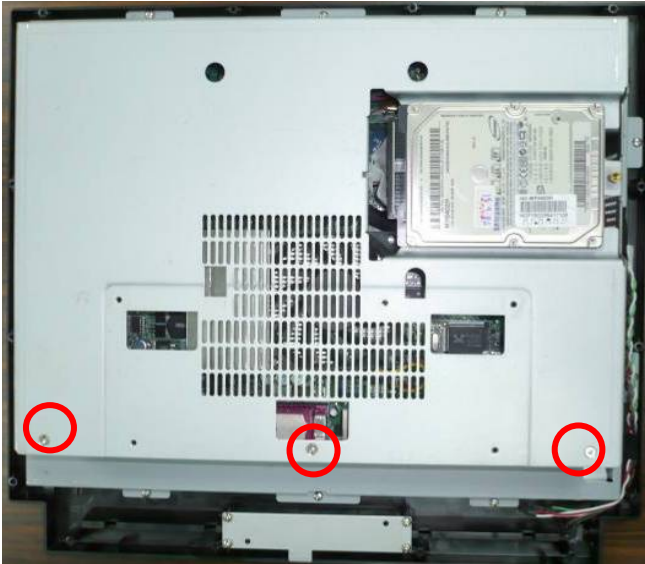
1. Remove the hinge swivel covers and loosen the screw x 6 on both sides.



2. Carefully take off the system from the aluminum base. Loosen the screw x 1 to remove the HDD cover and the screw x 5 to remove the hinge holder.



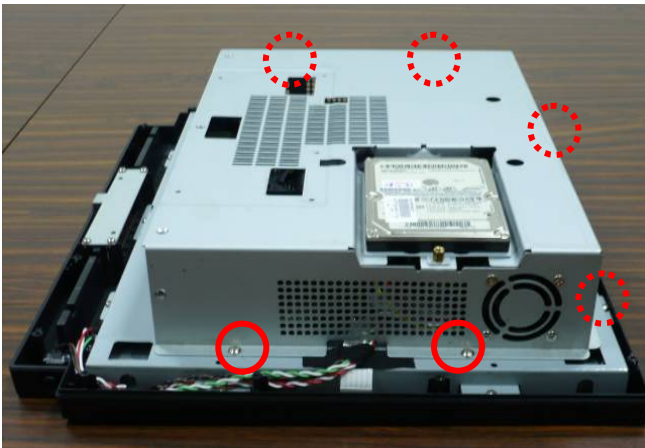
3. Loosen the screw x 14 to remove the LCD panel rear cover.



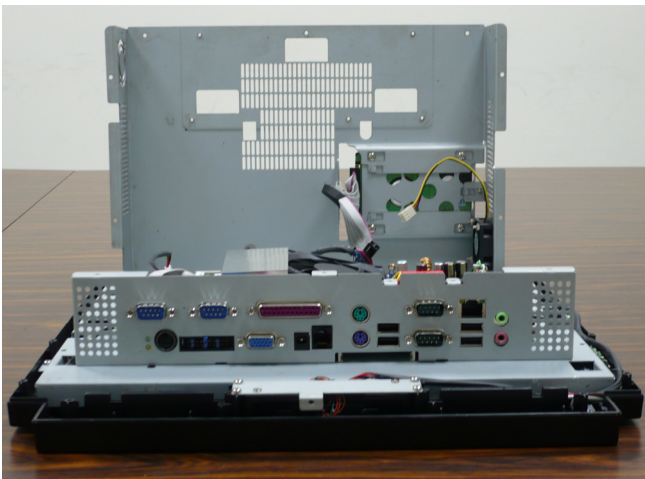
4. Loosen the screw x 3 on the back of the mainboard cover.



5. Loosen the screw x 2 on both sides of the mainboard cover.



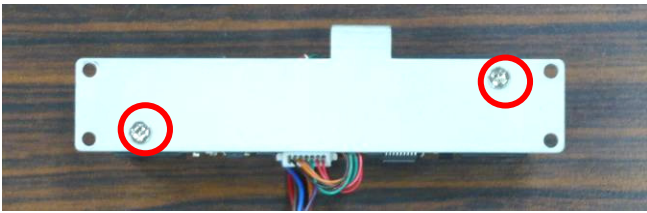
6. Loosen the screw x 6 on the mainboard cover.



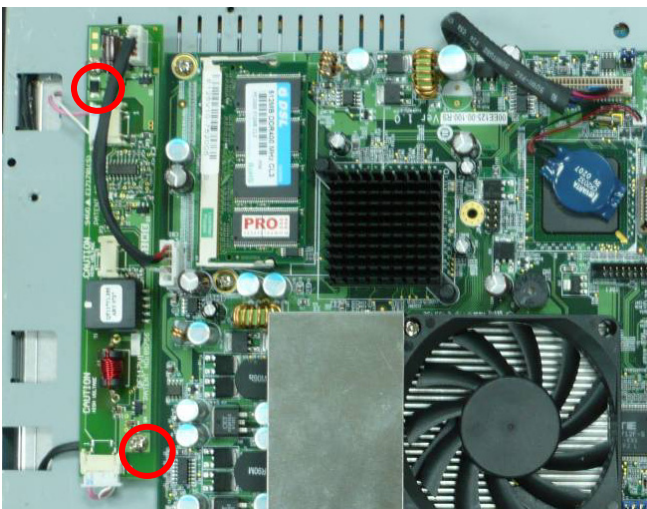
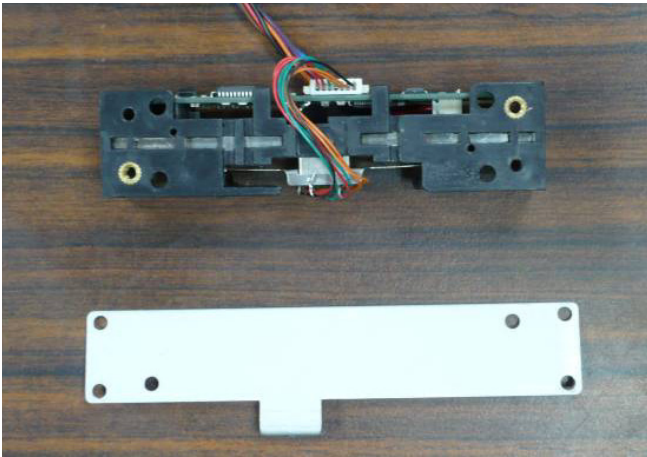
7. Unplug the HDD and cooler connector. Remove the mainboard cover.



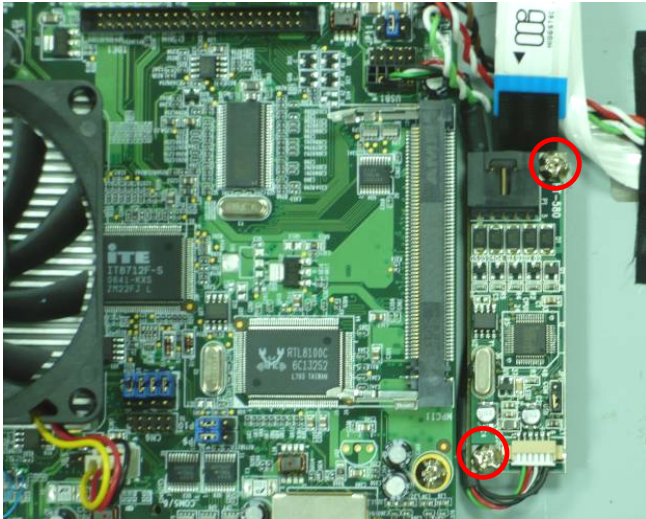
8. Loosen the screw x 4 to remove the MSR (option).



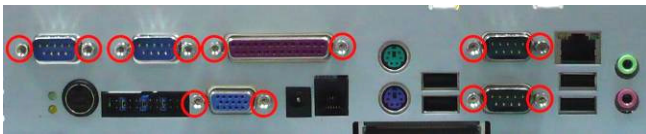
9. Loosen the screw x 2 to remove the MSR stand (option).



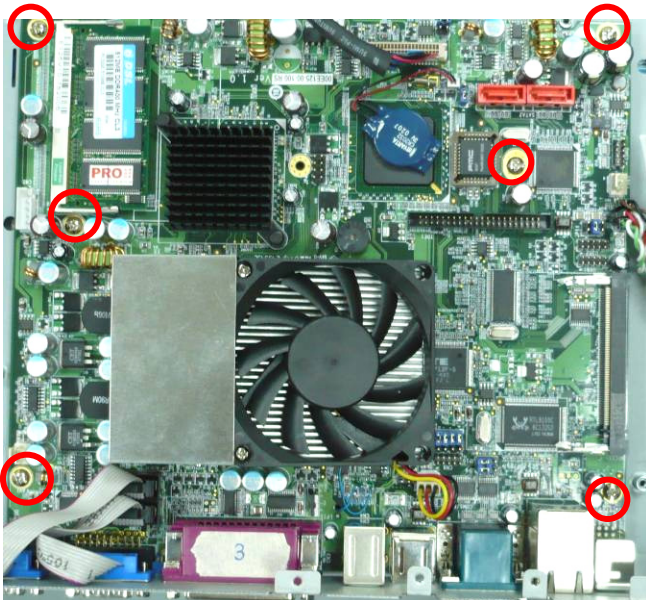
10. Loosen the screw x 2 and disconnect the cables to remove the inverter.



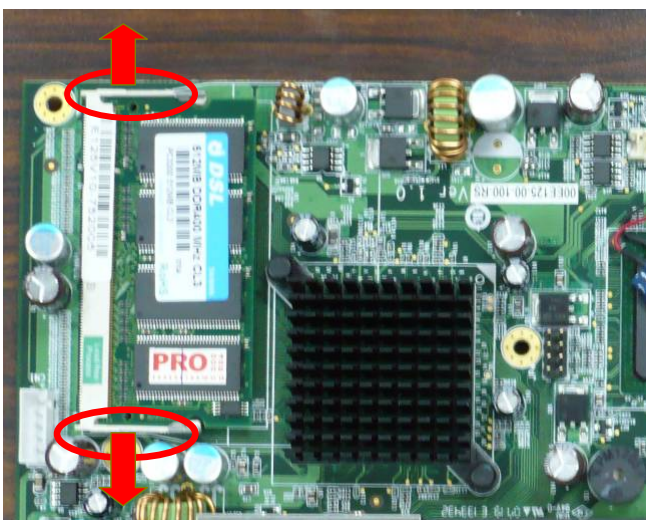
11. Loosen the screw x 2 to remove the touch control board.



12. Loosen the spacer x 12 and disconnect the DB9 cables to remove the I/O bracket.



13. Loosen the screw x 6 and disconnect the cable to remove the mainboard.



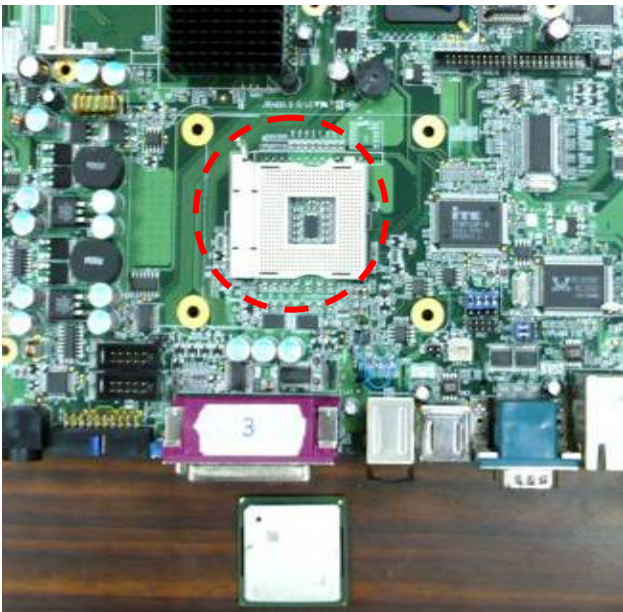
14. Pull open the hooks to remove the RAM.



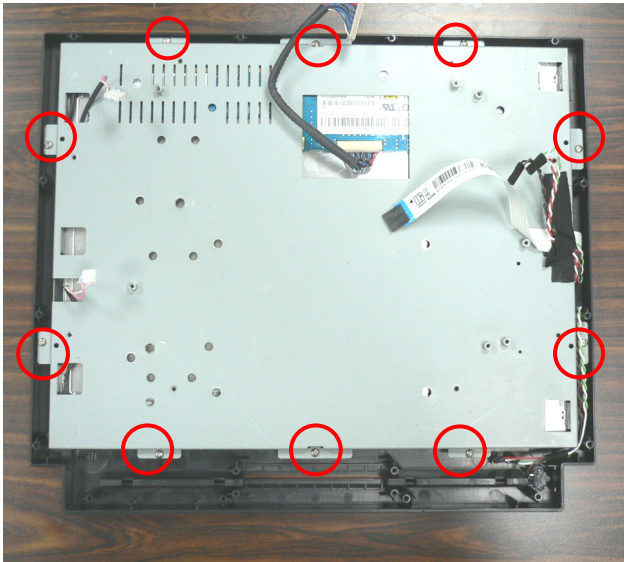
15. Turn over the mainboard and loosen the screw x 4 to remove the CPU gasket.



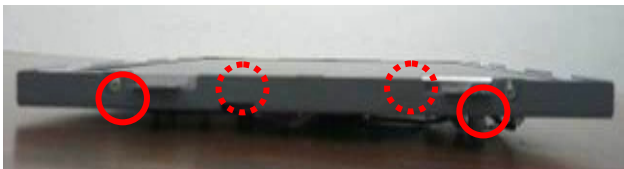
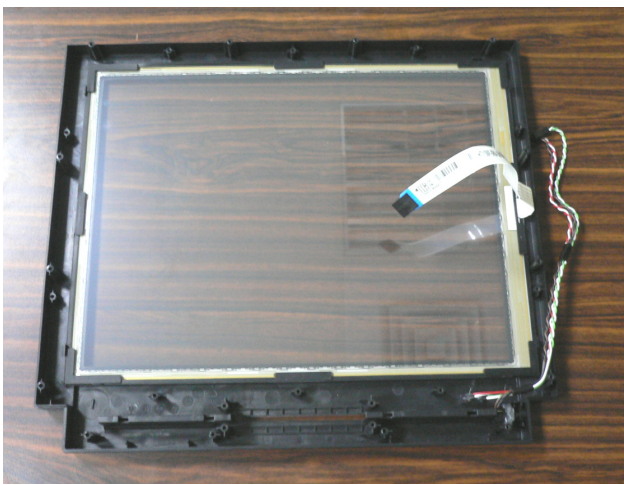
16. Remove the cooler.



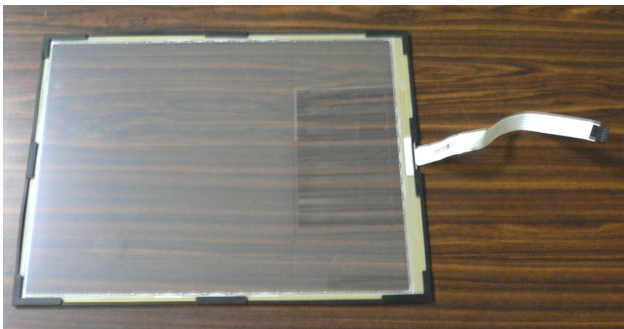
17. Take off the CPU.



18. Loosen the screw x 10 to remove the LCD panel holder.



19. Loosen the screw x 4 to remove the LCD panel.



20. Remove the touch panel rubber.



