

Service Manual

XPOS87A-5B-I3-01



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Contents

Copyrights.....	i
Liability Disclaimer	i
Contents	ii
1. Before You Start	1
1.1. Tools Suggested	1
2. Opening the Device and HDD Removal.....	2
2.1 How to Remove the Hinge Covers.....	2
2.2 How to Install the Hinge Cover	2
2.3 HDD Removal	3
3. Mainboard side Components Replacement.....	5
4.. Front-Panel side Component Replacement	8

Before You Start

1. Please unplug the power cable before you start to work.
2. Please read and follow the instructions in this document carefully. Failure to follow these instructions could damage your device and void the warranty.

1.1. Tools Suggested

All procedures in this document require the following tools:



#0 Phillips screwdriver
(Magnetized suggested)



#1 Phillips screwdriver
(Magnetized suggested)



1.5 mm hexagon socket spanner
(Magnetized suggested)

Opening the Device and HDD Removal

2.1 How to Remove the Hinge Covers

1. Hold the upper hinge cover and push the  mark.



2. Lift the upper hinge cover.

2.2 How to Install the Hinge Cover

1. Holding the lower hinge cover and pushing it softly against the rear side of the device.

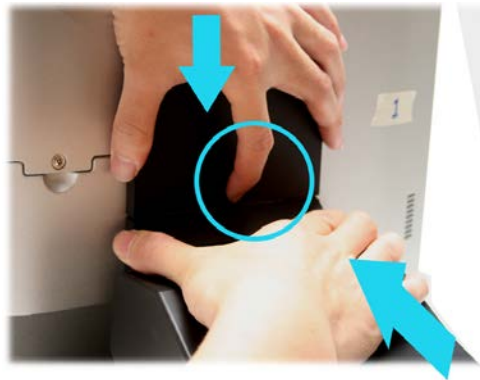


2. Align the five tenons of the upper hinge cover onto the mortises shown below

and push the  mark.



3. Join the upper and lower hinge covers as directions shown below.



2.3 HDD Removal

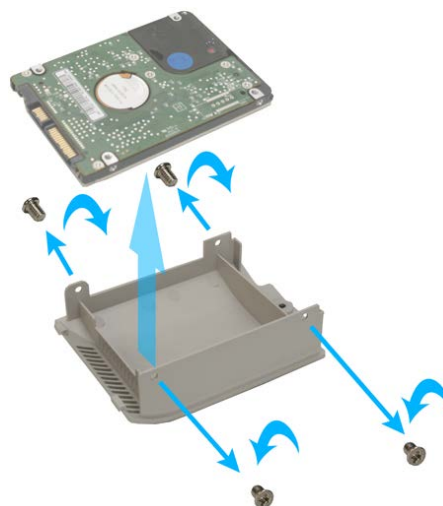
1. Remove the screw in the blue circle and pull the HDD tray out.



2. Disconnect the SATA cable and HDD power cable.



3. Remove the HDD as shown below.



4. Un-tighten four screws and remove the base from the POS device.



5. Un-tighten two screws.



6. Open the back panel.



Mainboard side Components Replacement

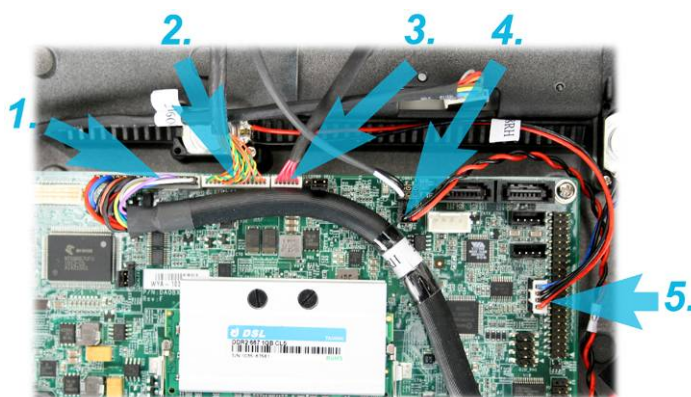
1. Open the two ejectors on the slot by pushing them, and remove the RAM from the slot.



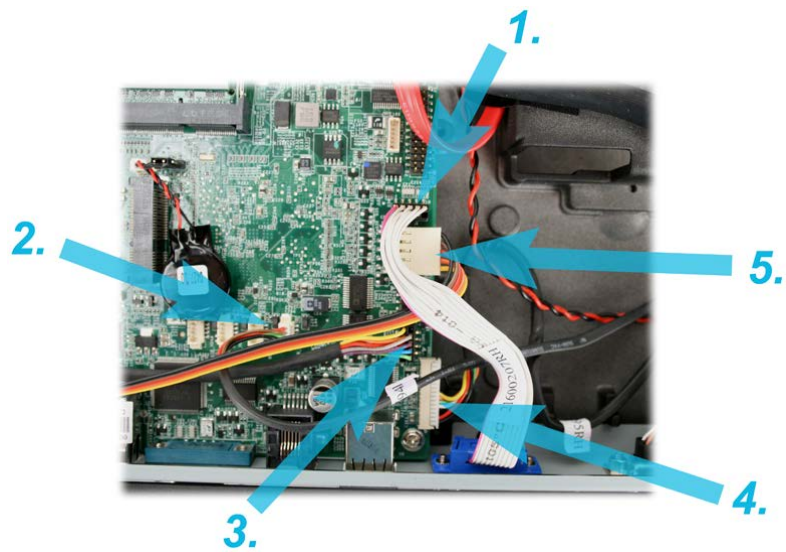
2. Align and insert the new RAM into the slot and push both ends of the RAM down until the ejectors snap into place.
3. Disconnect the SATA cable from the main board.



4. Disconnect: 1. VGA cable, 2. LVDS (LCD) cable, 3. inverter cable, 4. power switch cable and speaker cable from the mainboard.



5. Disconnect: 1. COM 3 cable, 2. USB extender cable, 3. COM 6 cable, 4. MSR cable, and touch panel cable.



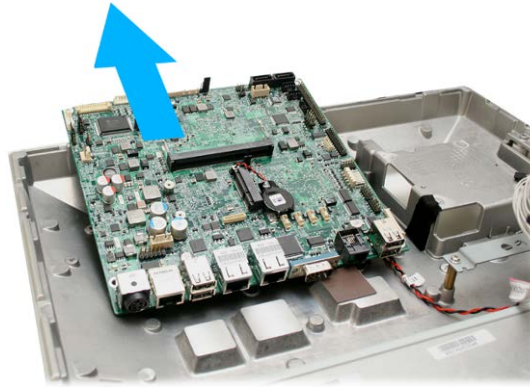
6. Loosen the four screws fixing the mainboard.



7. Loosen the two screws by 1.5 mm hexagon socket spanner as shown below.



8. Remove the mainboard.



9. Loosen the four screws by 1.5 mm hexagon socket spanner as shown below, and then you can remove the COM3 port cable and the VGA port cable.



10. Loosen the two screws as shown and remove the IO bracket.



11. Remove the power switch.



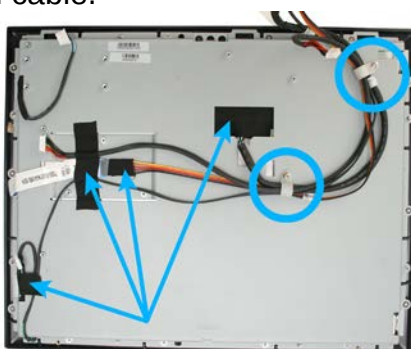
Front-Panel side Component Replacement

1. Un-tighten the three screws and disconnect the three connectors, and then you can remove the LCD inverter.

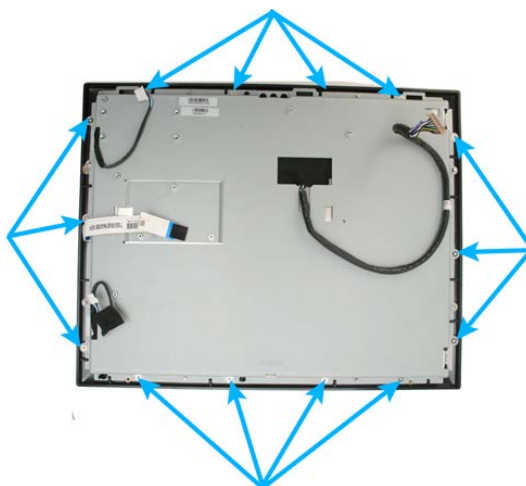


2. Remove all black tapes as the arrows directed and remove the screws marked in the blue circles.

And then you can remove the LED indicator, inverter cable, touch cable and LCD panel cable.



3. Remove all 14 screws as shown and remove the LCD and touch assembly.



4. Remove all 8 screws as shown and remove the touch panel.



5. Remove the two screws on the both side of the LCD chassis and take out the LCD panel.

