LOOP LP-2150 & LP-2151 ALL-IN-ONE PC CHASSIS INTEGRATION WITH THE GIGABYTE GA-Q87TN DESKTOP BOARD

LOOP LP-2150-SPECIFIC INTEGRATION NOTES

1. Unfastening the Rear Cover Screws
There are two screws at the “top” of the system and three at the base that should be unfastened to enable the removal of the rear cover.

2. Lifting the Rear Cover
Press a screwdriver down on the metal strip and pull the cover upwards in the corner closest to the rear vent.

3. Removing the Rear Cover
Lift the corner closest to the rear vent and the section close to the card reader slot. Once the corner of the rear cover has been lifted slightly, it should be possible to remove the cover. If a desktop board is already installed, do not remove the cover until Step 6 is complete.

4. Disconnecting the System Fan Header
If the system has been configured previously, ensure that the system fan is disconnected before complete removal of the rear cover.

5. Moving the Internal Speaker
Move the internal speaker closest to the LVDS connection to create more space when installing the desktop board and the LVDS connector.

6. Inserting the IO Shield
When inserting the IO shield, check that it is orientated correctly.

7. Attach Drive to Bracket
For 2.5” drives, locate the drive faster in the upper slot on the drive bracket to prevent unnecessary pressure on the SATA Data and Power Connector when installed into the chassis.

8. Drive Bracket Installation
Orientate the bracket correctly and fasten the three screws to keep the drive in position.

9. ODD Drive Bracket and Screws
Don’t lose the small bracket and screws that are used to attach the ODD drive to the chassis.

10. Installing the Intel® Thermal Solution
When installing the Intel® Thermal Solution, align the screws correctly and confirm that the fan and heat sink are properly aligned.

11. LP-2150 Stand Assembly
Once the four fasteners are secure on the rear panel, place the stand bracket in place and slide to align with the locking screw.

12. LP-2150T Stand Assembly
Once the four fasteners are secure on the rear panel, place the stand bracket in place and position the rear cover bracket correctly.

13. Connecting the Stand
For both chassis ensure that the locking screw is properly fastened, to keep the bracket in place.

14. Preparing the Stand for Shipping
Please Note: If this system will be shipped, ensure that the stand is properly removed, disassembled and packed properly for shipping.

15. VESA Mount Option
If attaching a VESA mount to the chassis, secure the chassis to the VESA bracket by tightening the 4 fasteners.
There are four screws on the back plate that must be unfastened to enable the removal of the rear cover.

Disconnect fan header from the desktop board before removing the rear cover.

Ensure that the HDD mounting bracket has been fitted prior to insertion.

Ensure that cables are not damaged when replacing the rear cover.

Ensure that the HDD mounting bracket has been fitted prior to insertion.

Insert both the HDD and ODD. The bracket shown above can be used to remove the HDD if required.

When installing the Intel® Thermal Solution, align the screws correctly and confirm that the fan and heat sink are properly aligned.

Once the four fasteners are secure on the rear panel, place the stand bracket in place and align with the locking screw.

Connect the stand correctly and ensure that the retention screw is properly fastened to prevent the stand being separated from the unit if moved.

For both chassis ensure that the locking screw is properly fastened, to keep the bracket in place.

Please Note: If this system will be shipped, ensure that the stand is properly removed, disassembled and packed properly for shipping.

If attaching a VESA mount to the chassis, secure the chassis to the VESA bracket by tightening the 4 fasteners.
1. Inserting the LVDS Connector
   When inserting the LVDS Connector, confirm correct alignment. Once in, never remove the cable by “pulling on the wires”, as this could permanently damage the cable.

2. Checking Jumper Settings
   Confirm that this jumper settings for the Backlight Inverter and Front Panel voltage are correct for the inverter and the board being integrated.

3. Configuring the BIOS
   Ensure LVDS Cable is Connected
   Navigate to Chipset
   Select Enable for LVDS Control Function
   Select M215HGE-L10/M240Q002 for Panel Type

LCD INTEGRATION NOTES

1. Inserting the LVDS Connector
2. Checking Jumper Settings
3. Configuring the BIOS

GENERAL INTEGRATION NOTES

1. Placing the Thermal Retention Mechanism
2. Placing the Thermal Tab
3. Inserting the Desktop Board

4. SATA and DATA
   The SATA power cable provides power for the HDD and ODD.

5. Single USB Connection
   Where a “single” USB connection is connected to a dual USB header, confirm that the “red” cable is aligned to the pins closest to PIN 1 (white marking at the base). It is possible to connect two single USB connections to a dual port USB header in this manner.

6. Wireless Connection
   For Wireless-N & Wireless-AC maximum bandwidth potential, ensure that both wireless antennae are connected to the wireless adapter.

GIGABYTE GA-Q87TN DESKTOP BOARD OVERVIEW

1. LVDS
2. LCD Panel SW
3. Front Panel
4. CPU Fan
5. SATA Power
6. DDR3 SP DIMM
7. SATA III Ports
8. Single USB Header
9. USB 3 Connect
10. Half Length Mini PCIe Slot
11. Internal ATX 19V Connector
12. 19V DC in
13. 2x GbE LAN Ports
14. Display Port
15. HDMI
16. COM1
17. USB 3
18. LPT
19. Speaker Out
20. Mic In
21. Speaker
22. FP Audio
23. DMC
24. CLR CMOS
25. Full Length Mini PCIe / mSATA
26. PCIe-x4
27. 2 x Single USB Headers
28. Dual USB 2 Header
29. FPD
30. BL_SW
31. WFLED
32. LCD PWR
33. FPD PWR