Hardware Installation Guide

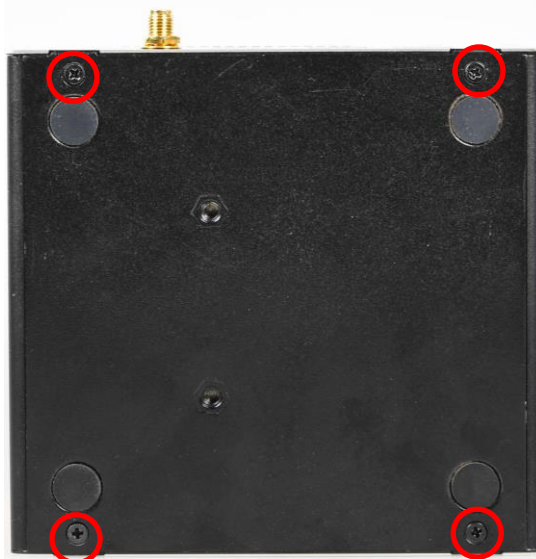THOMAS KRENN®

server.hosting.customized.

LES v2
Rev : 1.0
Release date: 2015-05-15

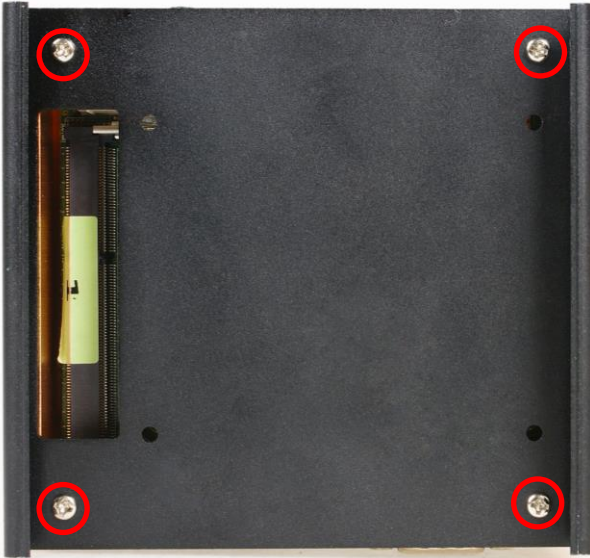# To Open the Chassis of LES v2

Locate the screws at the spots marked on this side of the system and unscrew them one by one.

Remove the screws in the marked spots on front panel.

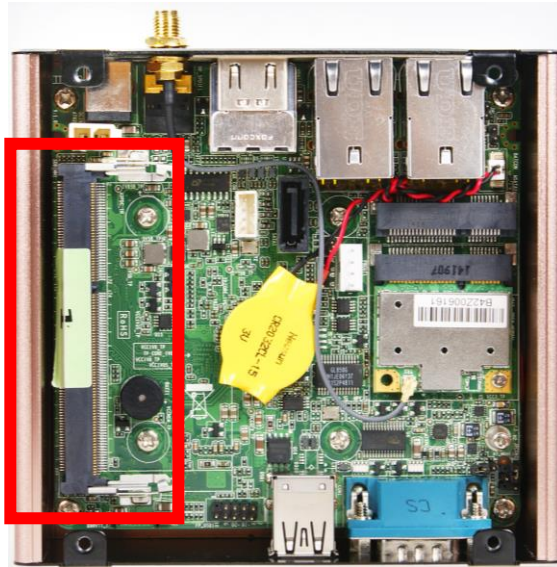Remove the screws in the marked spots on back panel.

Remove the screws in the marked spots on HDD tray.

Lift the cover up to open the chassis. We use the model with pre-installed Wi-Fi card for installation guide.

To Install SO-DIMM to the board

Locate the SO-DIMM memory slot on the board.

Insert the gold-figure side of the compatible SO-DIMM into the slot at a 30 degree and then press down. The eject tab will lock it if installed correctly.

To Install MSATA Card

Note: Please take the steps listed below before installing MSATA card over pre-installed WIFI card:, for better heat dissipation:
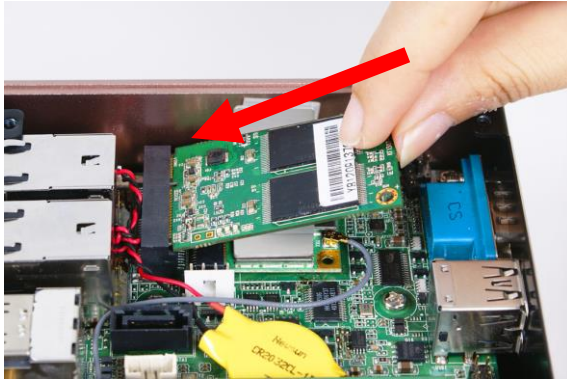
1. Find the two thermal grease packages in the accessories pack.

2.Tear off the protective films from both side of the thermal grease package and apply the grease packages upon both sides of the L-shape metal plate for better heat dissipation, as the photo shows.

3. **Place the metal plate upon the installed WIFI card before installing the MSATA card above the WIFI card.**

Locate the full-size MSATA slot on the board.

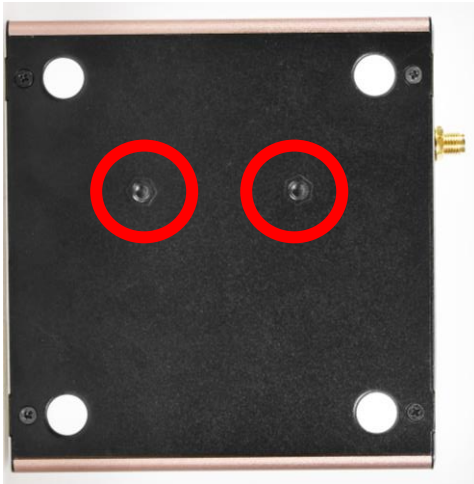Remove the marked screw and use it to lock MSATA card to the slot in later installation.

Insert the gold-figure side of the compatible MSATA card into the slot at a 30 degree angle and press down.
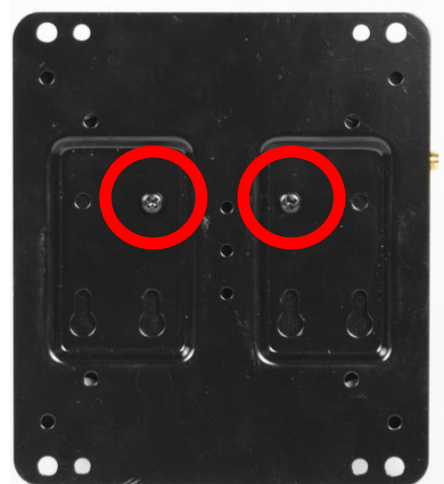

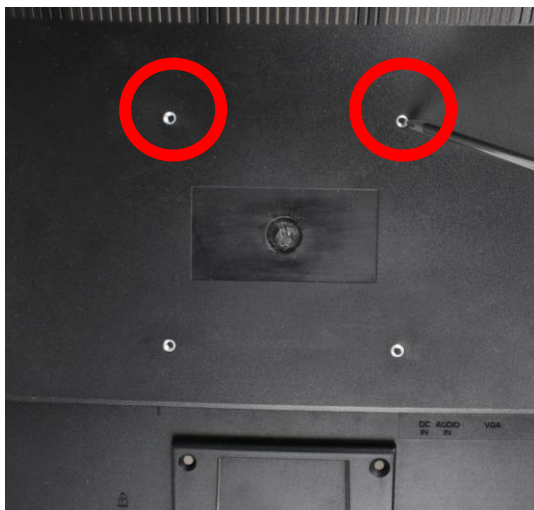Lock the card to the board by tightening up the screw to the marked spot.
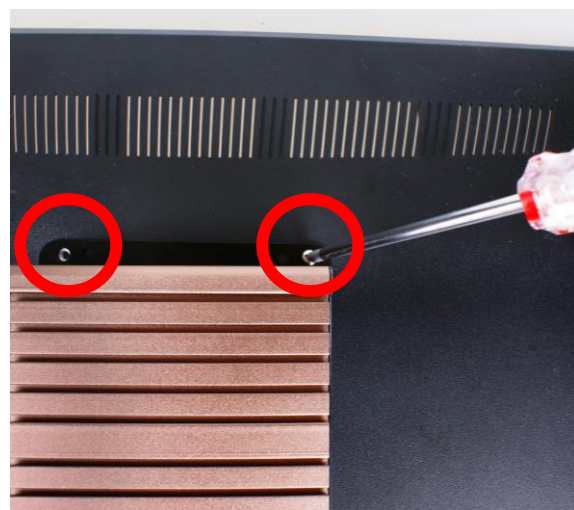
To VESA Mount the System

Locate the two screw holes reserved for VESA mount on the cover of the system. Take note of the directions of the system.
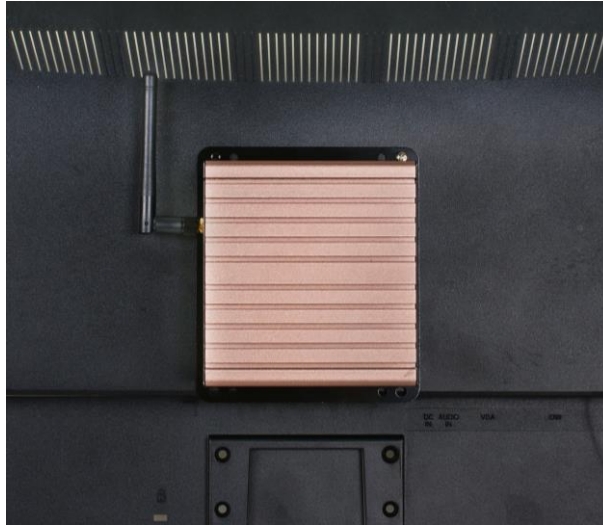

Place the VESA mount panel upon the cover. Tighten up compatible screws to lock the chassis to the panel as the photo shows.

Unlock the reserved screws for VESA mount on the back cover of the monitor.
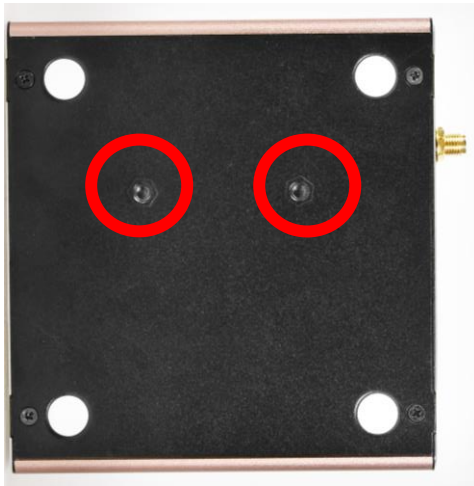

Adjust the chassis with VESA mount panel to the back cover of the monitor and lock it to the monitor by tightening up the above marked screws.
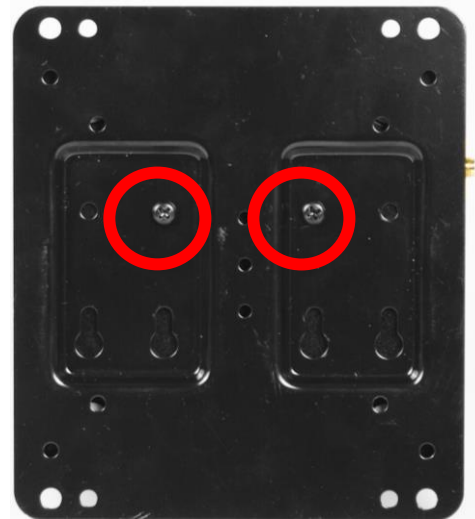
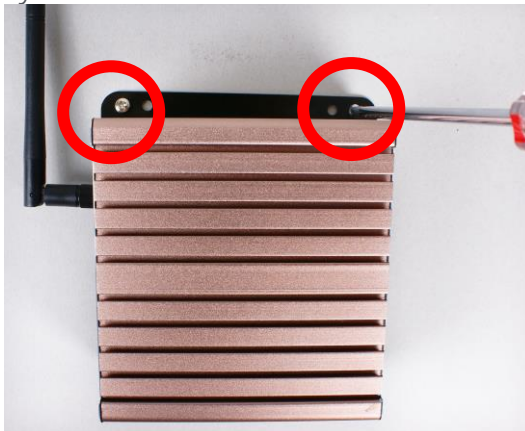Check again to make sure the screws are matched and fixed stably.

To Wall Mount the System

Locate the two screw holes reserved for wall mount on the cover of the system. Take note of the directions of the system.

Place the panel upon the cover. Tighten up compatible screws to lock the chassis to the panel as the photo shows.
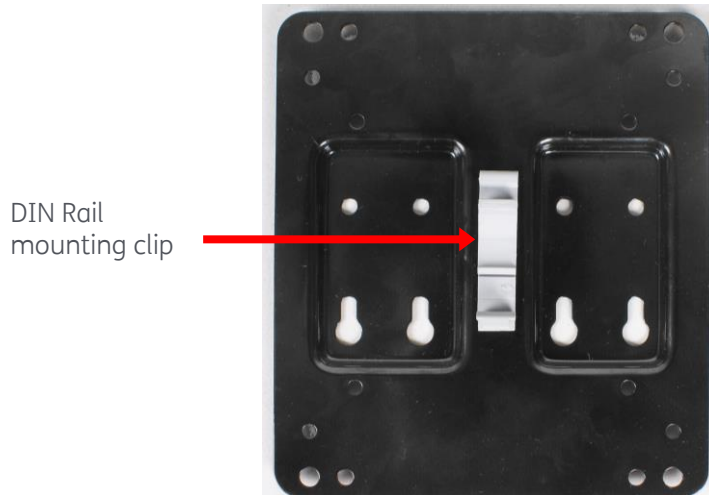

Adjust the chassis with wall mount panel to the wall and lock it to the wall by tightening up the above marked screws on the top side.
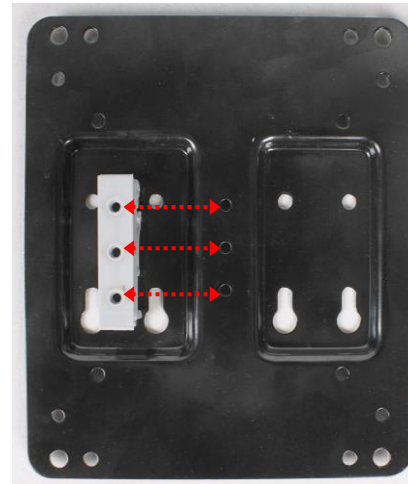

Tightening up the other screws on the bottom side. Check to make sure the screws are matched and fixed stably.
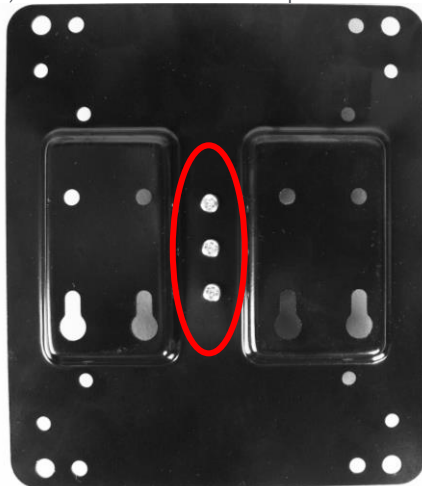
To Install DIN Rail Mounting Clips

(Optional for 311 Series)

DIN Rail
mounting clip

Find the DIN rail mounting clip in the attached accessories package. Place the clip upon VSEA mount rack, in the direction as the photo shows.

The screw holes on the back side of the clip should match those of the racks, as the photo shows.
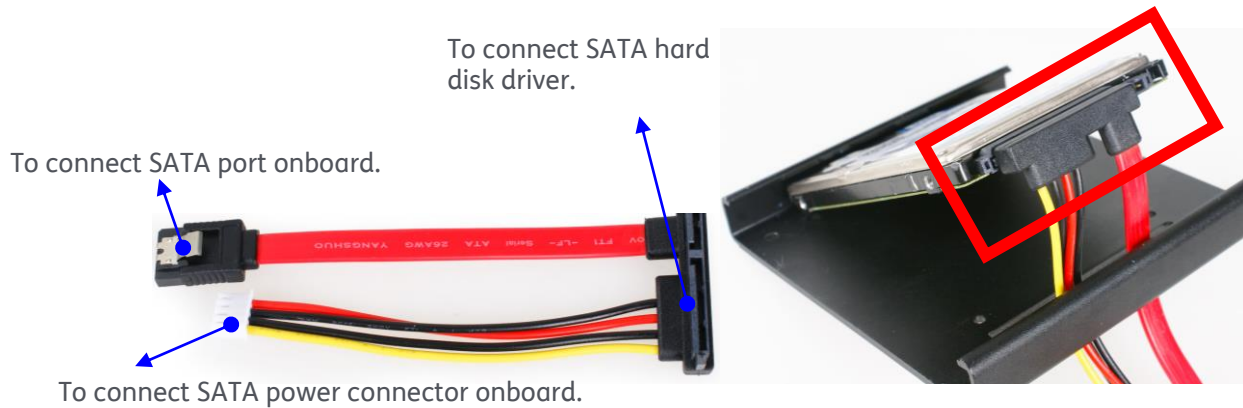

Turn the rack over and use compatible 2.75 mm screws in the attached accessories package to lock the clip to the rack
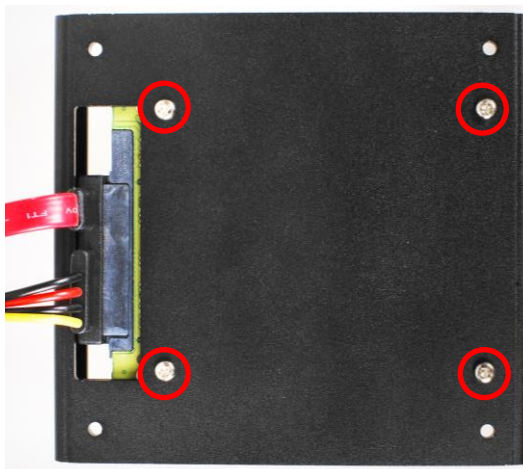

Install the VSEA mount rack to the barebone system by tightening up compatible screws in the above marked spots, as the photo shows.

To Install Hard Disk

To connect SATA hard disk driver.

To connect SATA port onboard.
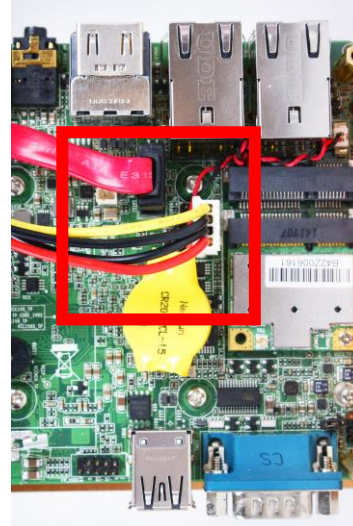
To connect SATA power connector onboard.

Find compatible SATA cable for the system in the attached accessories package.

Plug this side of the HDD cable to SATA power-in connector and SATA connector of the hard disk.

Turn the HDD tray over and adjust the hard disk on the other side. Lock the hard disk to the HDD tray by tightening up the screws on the marked spots

Plug the other side of the cable to the SATA power connector and SATA port connector on the board.

Put the HDD tray with hard disk installed to its original place and lock the tray to the barebone system by tightening up the screws in the marked spots.

Note: After the above installation steps completed, please put the cover to the original place and tighten up the screws previously removed (refer to part 1&2).