

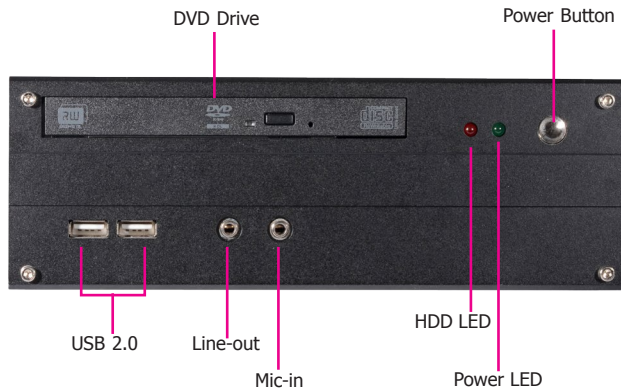
ST102-SD Installation Guide

Package Contents

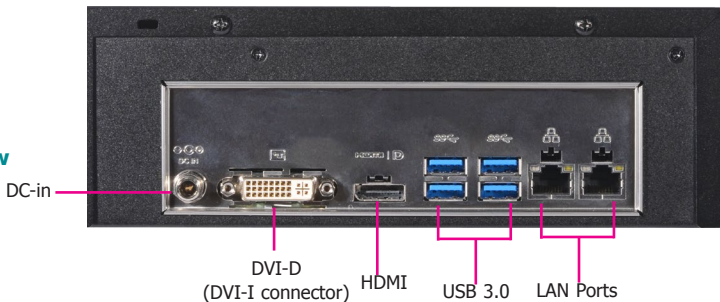
- 1 ST102-SD system unit
- Mounting screws for Mini PCIe modules
- Mounting screws for M.2 modules
- 1 Quick Installation Guide
- 1 CD disk includes:
 - Drivers / Manual

Panel

Front View



Rear View



Notes:

The HDMI is a DP++/HDMI combo port but can only transmit HDMI signals (unless wired as a DP++ port). Please plug in an HDMI cable with the right orientation and alignment to avoid damage to the connector. You should feel resistance (due to a pin on the right) if the cable is not inserted correctly. Please see a video at <https://youtu.be/SUj07rfN5I8> for detailed instructions.

Aligning side
(left)



Angled-corner
pin

Angled-corner
(up)



Align this edge with the
left side of the connector

Removing the Chassis Cover

Installing internal components requires you to remove the chassis cover first. Please observe the following guidelines and follow the procedure to open the system.

1. Make sure the system and all other peripheral devices connected to it have been powered off.
2. Disconnect all power cords and cables.
3. The 2 mounting screws on the rear side of the system are used to secure the cover to the chassis. Remove these screws and put them in a safe place for later use.

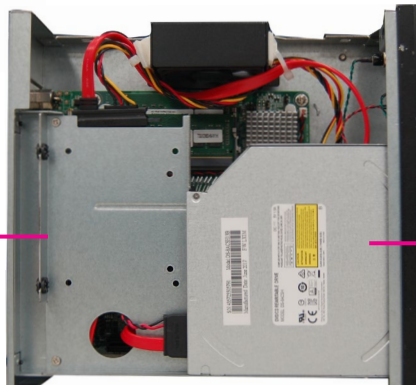
Mounting
screw



4. Slide the cover backwards to open the system. The SODIMM sockets and SATA drive bay are readily accessible after removing the chassis cover.



SATA drive bay

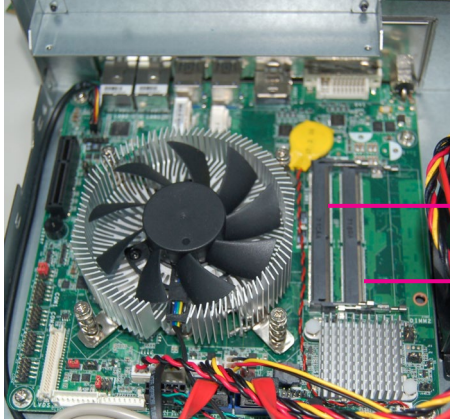


ODD drive bay

Installing a Memory Module

The system board is equipped with two memory slots. Please use the following procedure to install SODIMM modules.

Grasp the module by its edges and align the memory's notch with the socket's notch; then insert the memory into the socket at an angle and push it down until you feel a click.



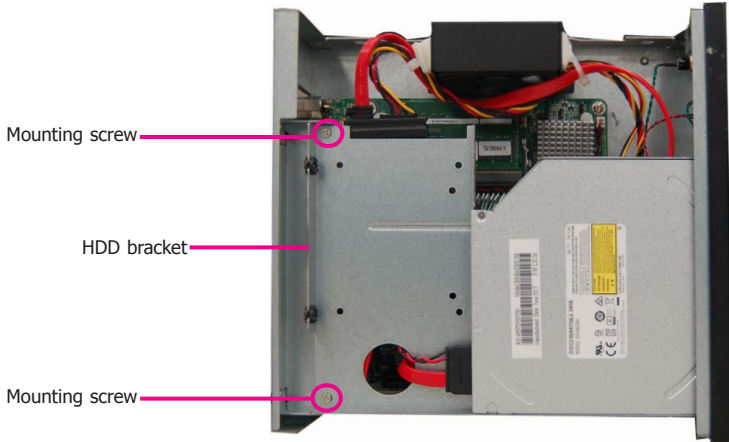
Notes:

1. The system supports dual-channel configuration. To enable dual-channel, populate both SODIMM sockets.
2. If installing only one memory module, please install it on the memory socket labeled DIMM1 (the one closer to the center of the board).
3. The SODIMM sockets can only accommodate DDR4 memory modules. Please do not install other types of memory modules.

Installing a SATA Drive

The system can accommodate one 2.5" SATA drive. Please use the following procedure to install a 2.5" SATA drive.

1. Remove the 2 mounting screws that secure the drive bay to the system.



2. Align the mounting holes on the SATA drive with the mounting holes on the HDD bracket.

SATA mounting screws

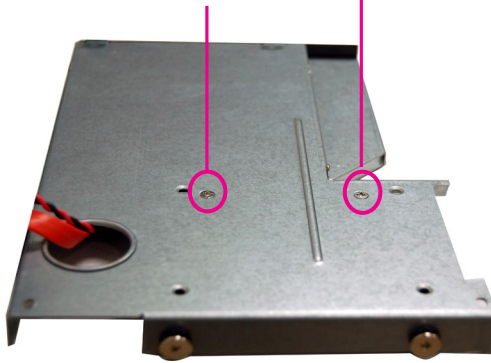


- Use the mounting screws provided in the drive bay kit to attach the HDD bracket onto the drive bay and secure the drive in place.

HDD bracket mounting screws



HDD bracket mounting holes
(on the drive bay's bottom side)

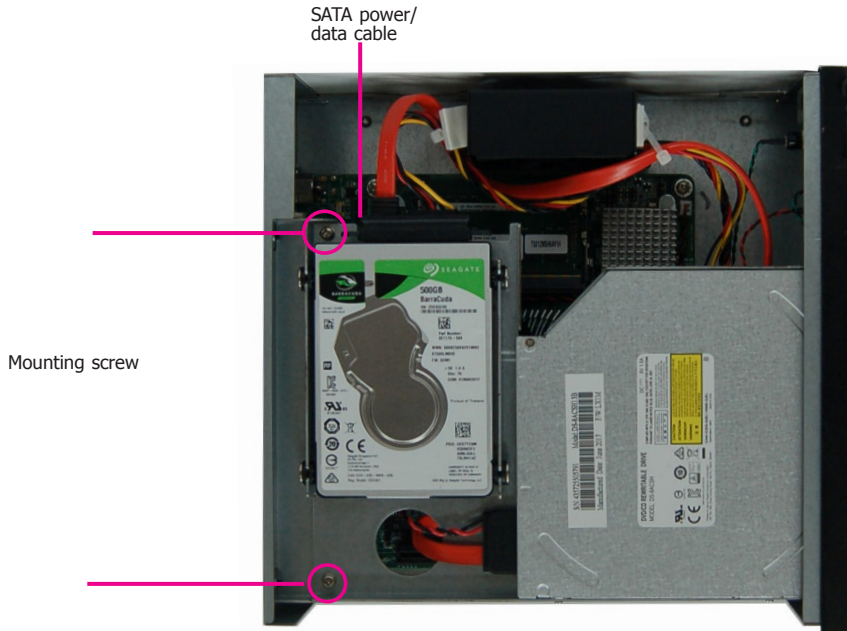


SATA mounting screws

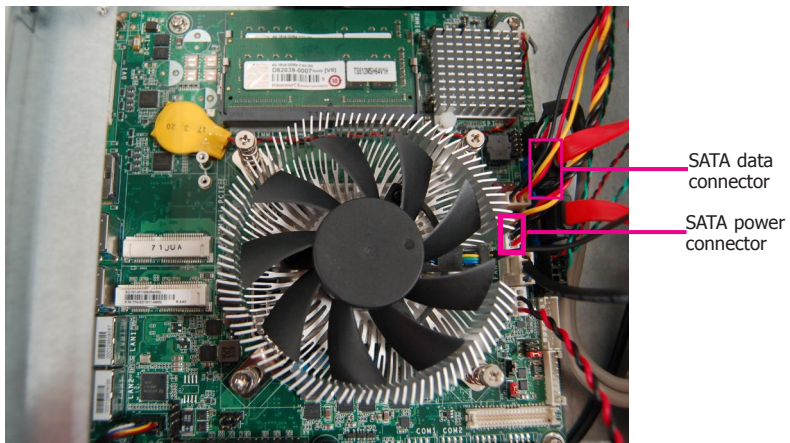


Mounting screw

- Place the SATA drive bay back in the chassis and install the SATA drive bay using the mounting screws you removed in step 1.

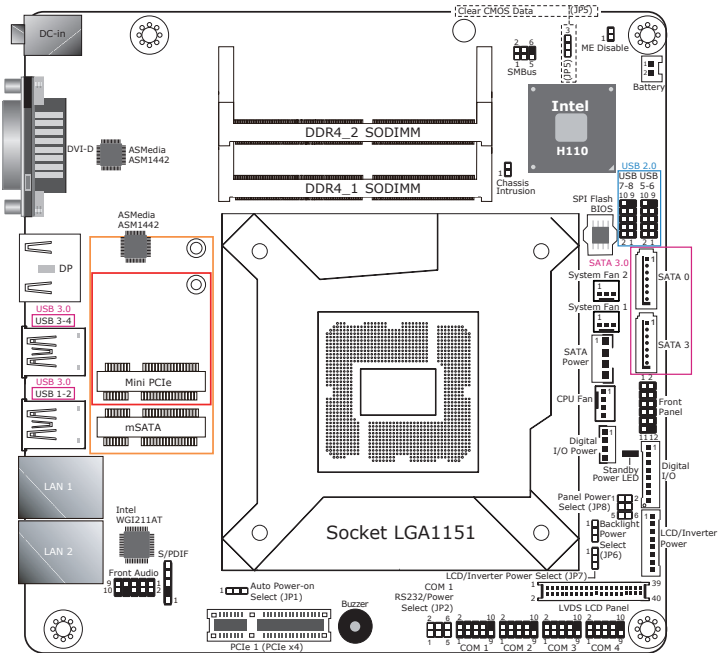


- Connect the SATA data/power cable to the SATA drive (refer to the above picture). Make sure the other end of the SATA data/power cable is connected to the connectors on the system board (refer to the picture below).





Board Layout and Jumper Settings



Clear CMOS Data	JP5
Normal	1-2 On (default)
Clear CMOS	2-3 On

Auto Power-on Select	JP1
Power-on via power button	1-2 On (default)
Power-on via AC Power	2-3 On