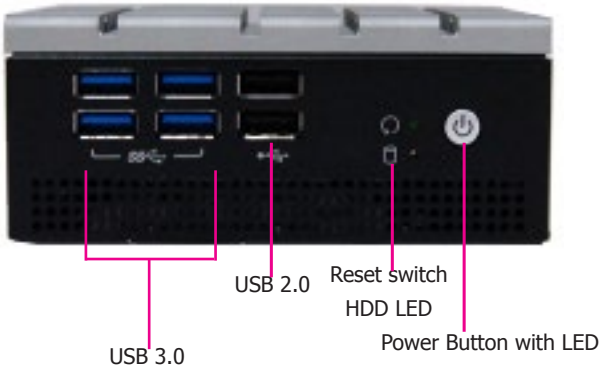
EB100-KU Installation Guide

Package Contents

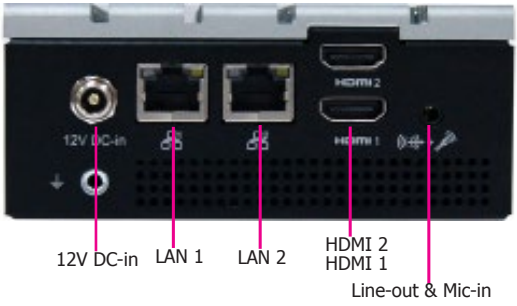
- EB100-KU system unit
- Mounting kit for SATA drive
- Mounting screws for Mini PCIe and M.2 modules
- Quick Installation Guide

Panel

Front View



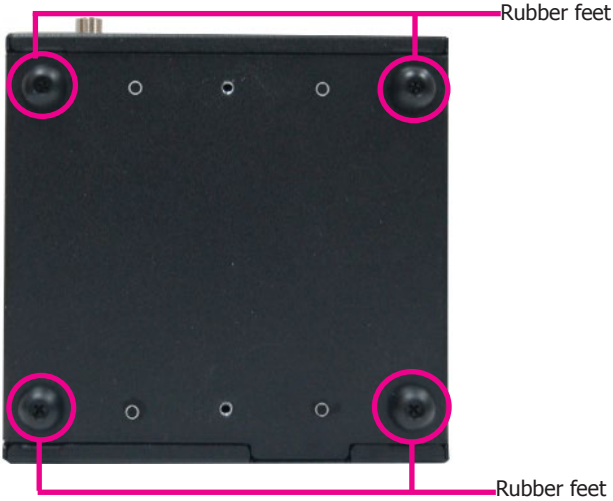
Rear View



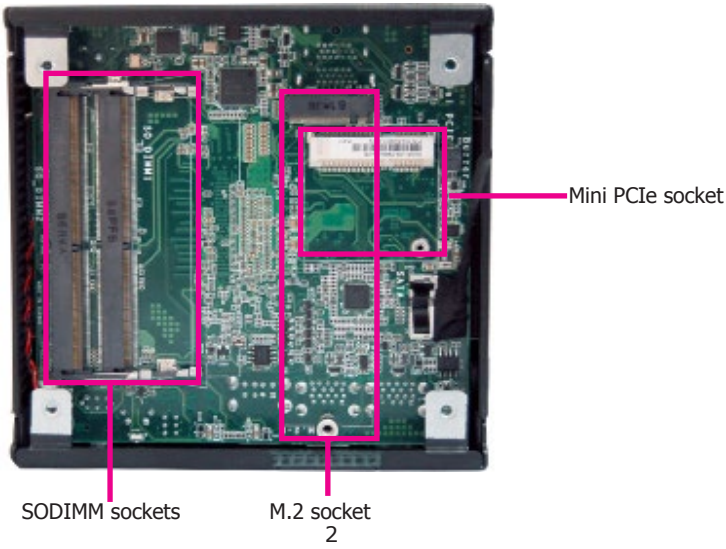
Removing the Chassis Cover

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 4 rubber feet on the bottom 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.



4. Lift the cover to open the system. The SATA drive bay is on top of the system board. Remove the SATA drive tray to access the Mini PCIe socket, M.2 socket and SODIMM sockets.

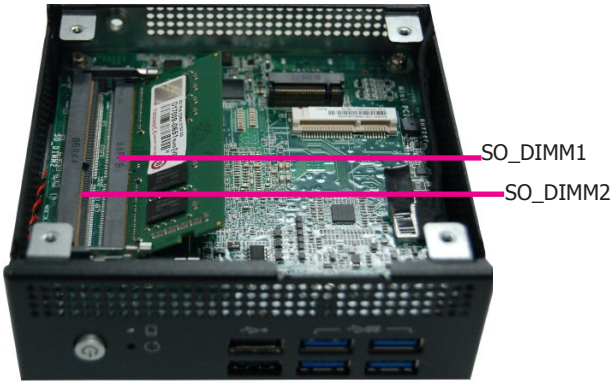


Installing a SODIMM

The system is equipped with two SODIMM sockets.

To install a SODIMM:

1. Grasp the module by its edges and align the SODIMM's notch with the socket's key; then insert the SODIMM into the socket at an angle.



2. Press down the other end of the SODIMM module and make sure that you have inserted the module fully into the socket so that the retaining clips will snap into place.

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 SO_DIMM1 (the one closer to the center of the board).
3. The SODIMM sockets can only accept DDR4 memory modules. Please do not install other types of memory modules.

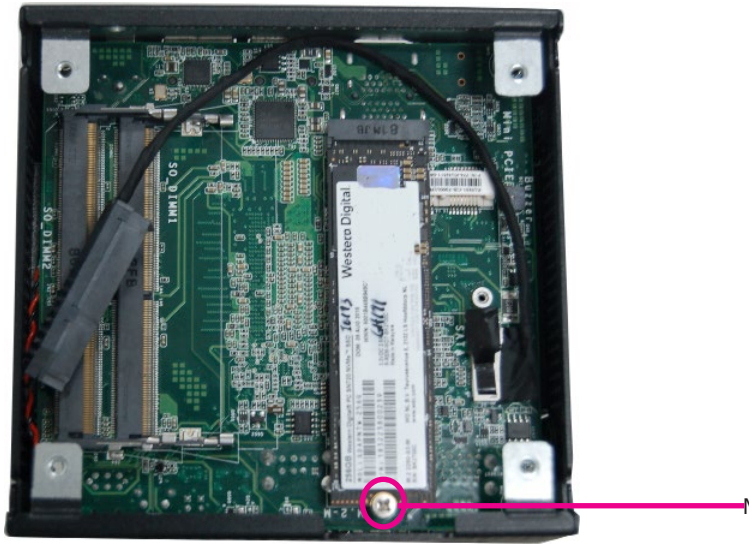
Installing an M.2 Card

The onboard M.2 Type 2280 connector (M Key) supports SATA SSD only.

To install an M.2 card:

1. Grasp the M.2 card by its edges and align the notch in the bottom edge of the M.2 card with the key in the connector on the system board.
2. Insert the M.2 card into the connector.

3. Push down on the other end of the M.2 card and secure and card on the main-board with the provided mounting screw.

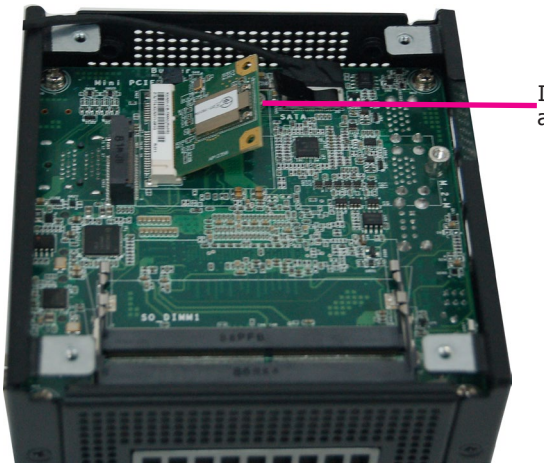


Installing a Mini PCIe Card

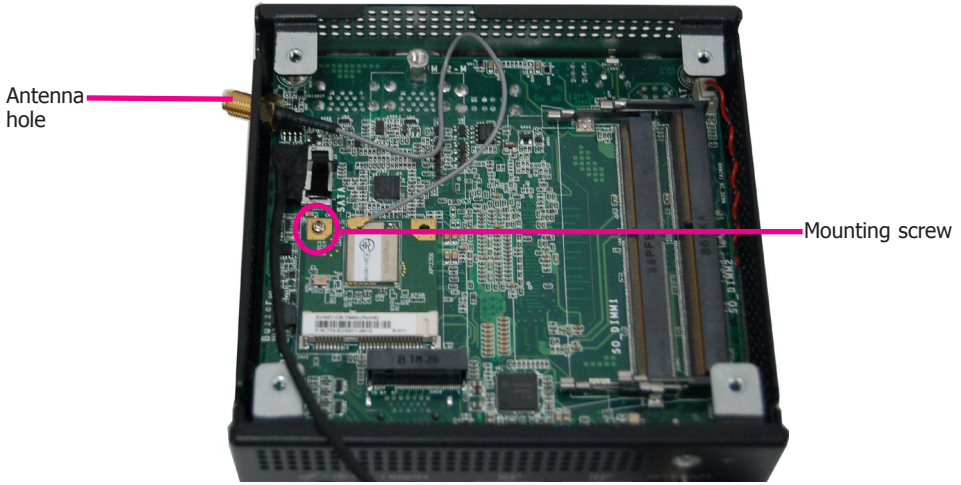
The onboard half-size Mini PCIe socket supports PCIe and USB 2.0 interfaces to accommodate common wireless and cellular communication modules.

To install a Mini PCIe card:

1. Grasp the Mini PCIe card by its edges and align the notch of the PCIe card with the key in the connector on the system board.
2. Insert the Mini PCIe card into the connector.



3. Push down on the other end of the Mini PCIe card and use the provided mounting screw to secure the card on the system board.

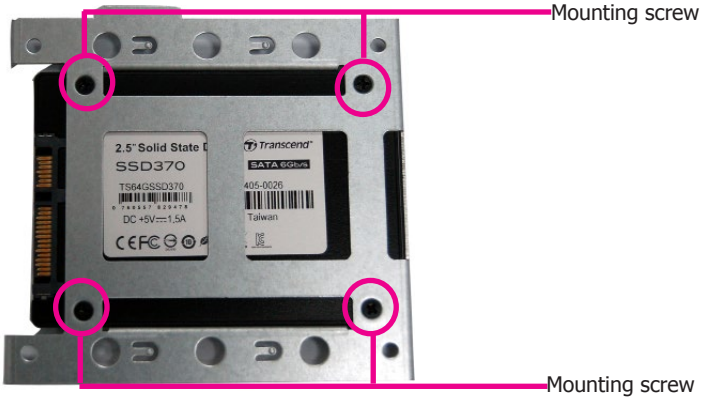


Installing a 2.5” SATA Drive

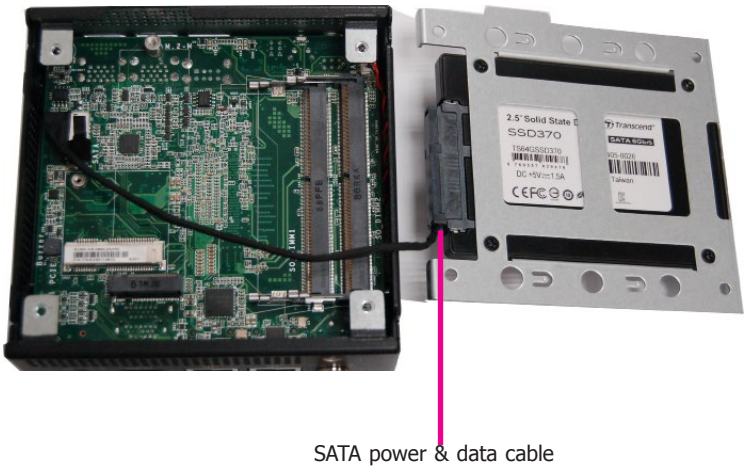
The SATA drive tray is included in the product package and can accommodate one SATA drive.

To install a 2.5" SATA:

1. Place the SATA drive on the SATA drive tray and secure it in place with the provided screws.



2. Connect the SATA data and power cable to the drive. Note that this SATA cable has a SATA power/data interface connecting to a proprietary connector with predefined pin assignments on the system board. Please only use the provided SATA cable.

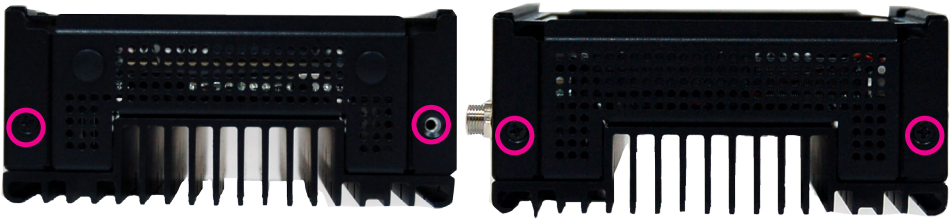


3. Place the SATA drive tray with the installed SATA drive back into the system (on top of the system board).

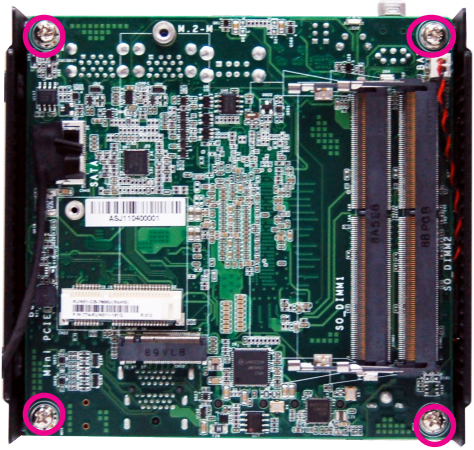
Accessing the Jumpers

The jumpers are located on the back side of the system board and can only be accessed by taking the board off from the chassis.

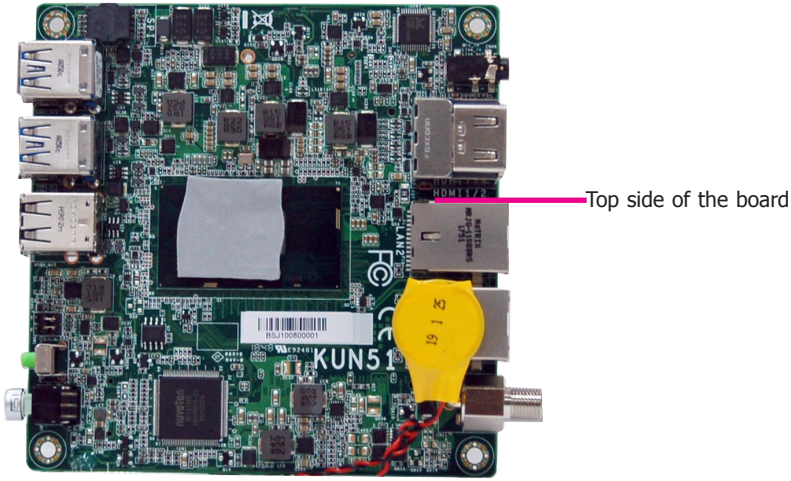
1. Before uninstalling the system board, take off the front and back covers.



2. Remove the four screws to take off the system board.

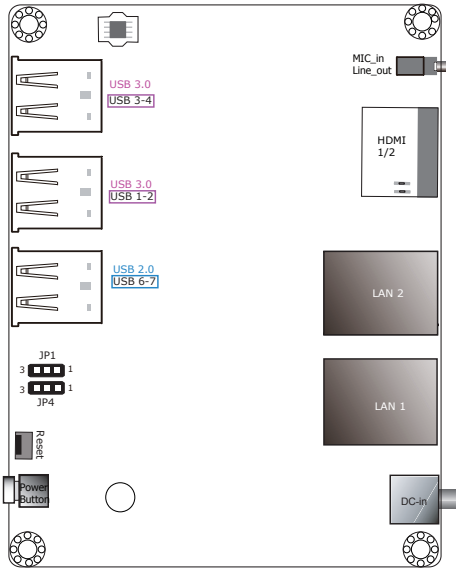


3. Flip the board to access the jumpers.

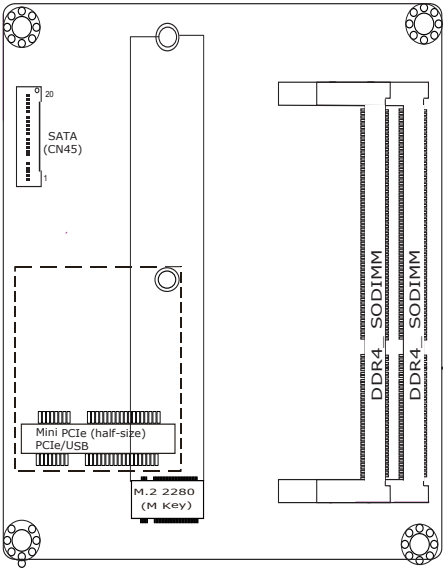


Board Layout and Jumper Settings

Top



Bottom



Clear CMOS Data	JP1
Normal (default)	1-2 On
Clear CMOS Data	2-3 On