



MD711-SU Installation Guide

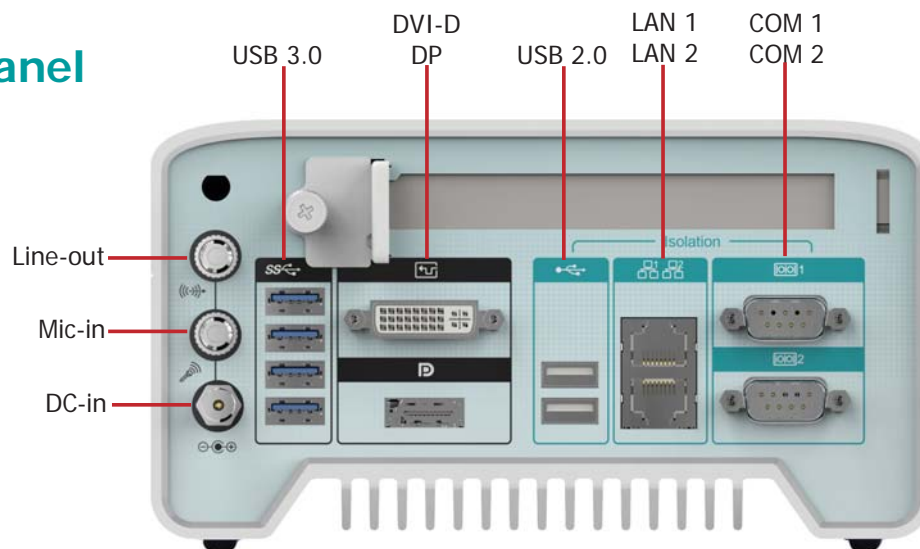
Package Contents

- | |
|---------------------------------|
| • 1 MD711-SU system unit |
| • SATA mounting screws |
| • M.2/Mini PCIe mounting screws |
| • 1 CD disk includes: |
| - Drivers / Manual |

Front Panel



Rear Panel



Note:

The USB 2.0, LAN and COM ports provide galvanic isolation up to 4kV to prevent damaging circuitry of the electronic devices connected with each other.

DFI reserves the right to change the specifications at any time prior to the product's release. For the latest revision and details of the installation process, please refer to the user's manual.

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 screws on the sides 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.

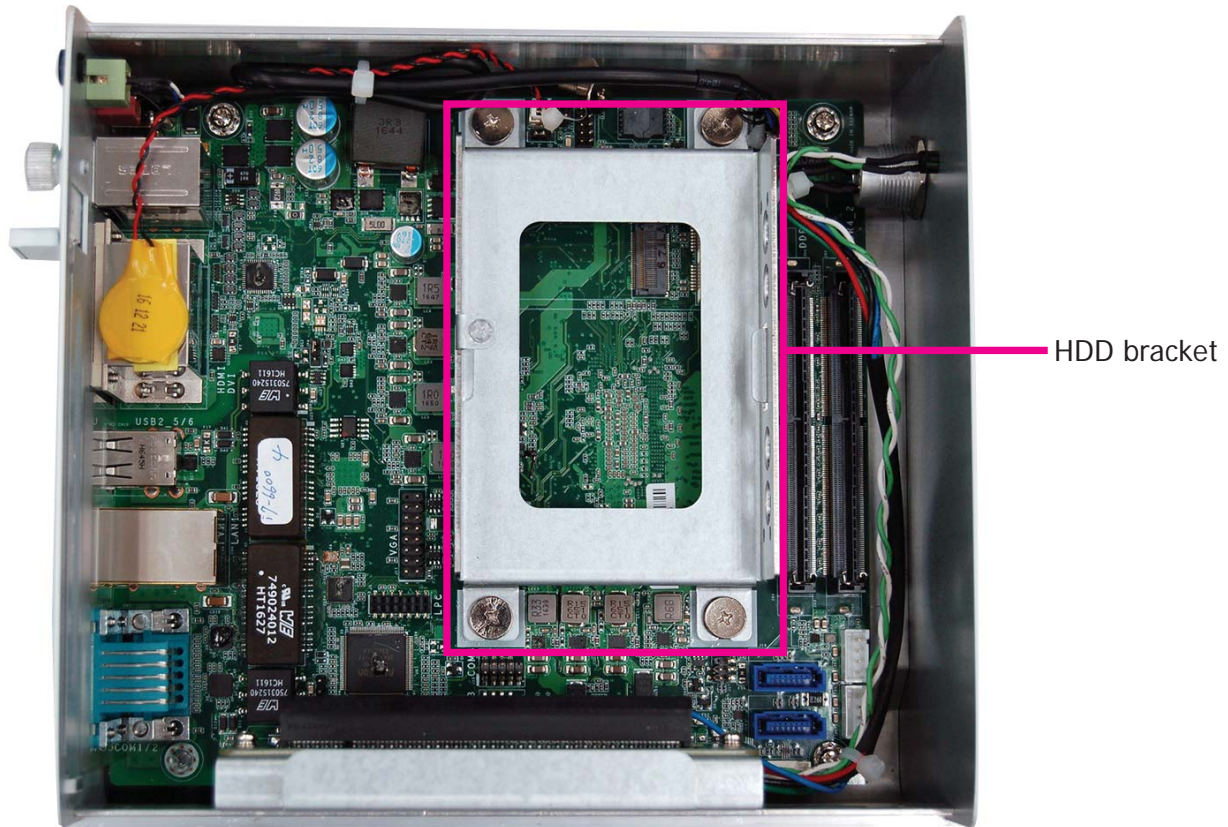




Installing a 2.5" SATA Drive

The SATA HDD bracket is included in the product package and can accommodate two SATA drives. Use the following procedure to install a SATA HDD or SSD:

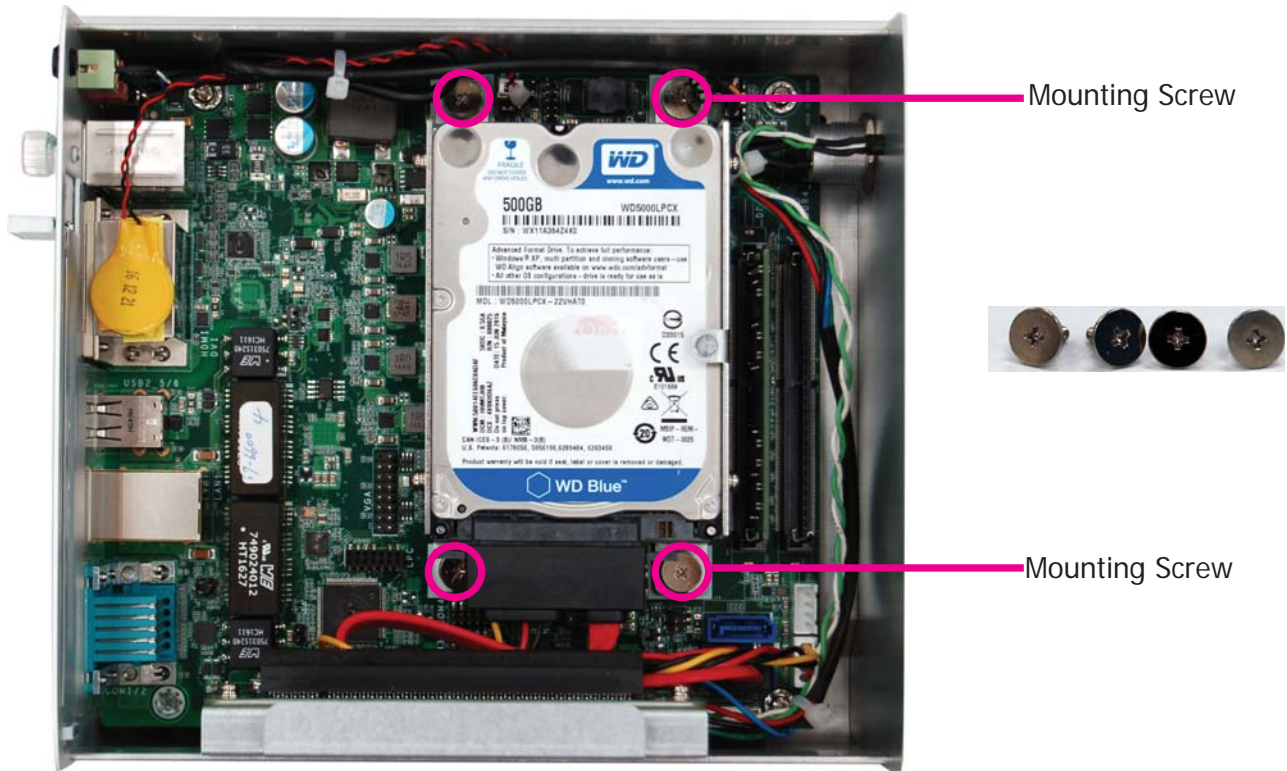
1. Remove the thumb screws that secure the drive bay on the mainboard and then remove the drive bay.



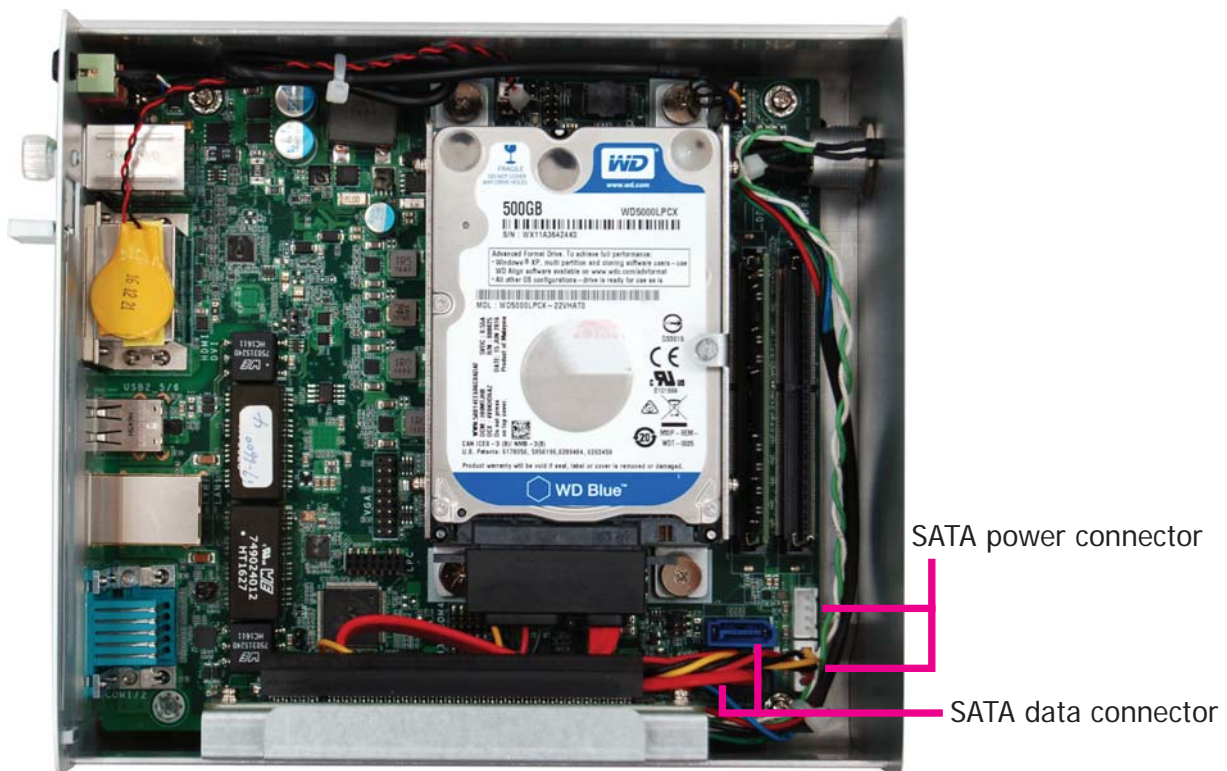
2. Insert the SATA drive into the HDD bracket and secure it in place with the provided screws. Connect the data and power cables to the drive.



2. Place the SATA drive with the HDD bracket into the system. Align the mounting holes on the HDD bracket with the mounting holes on the mainboard and use the provided screws to secure the drive in place.



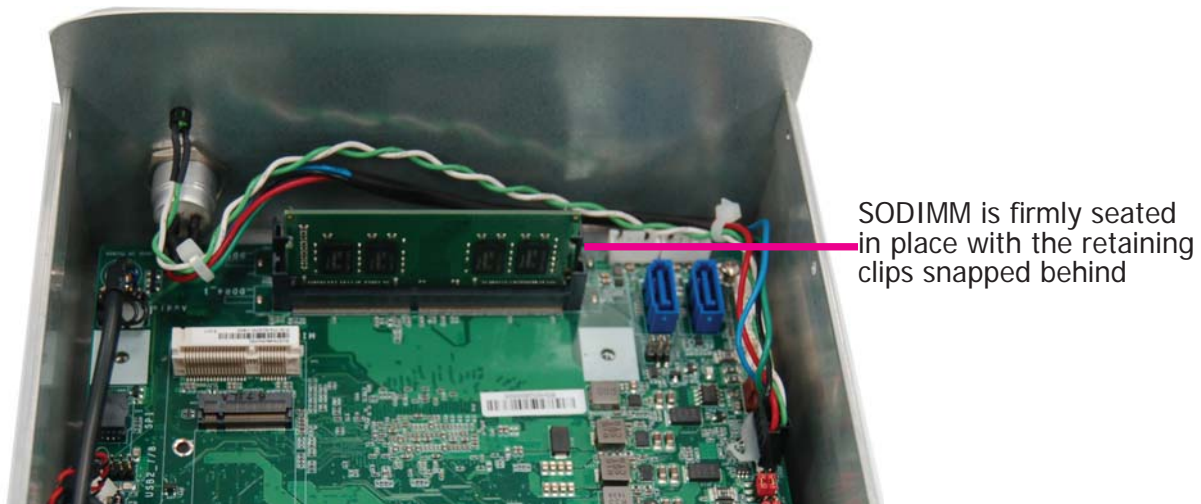
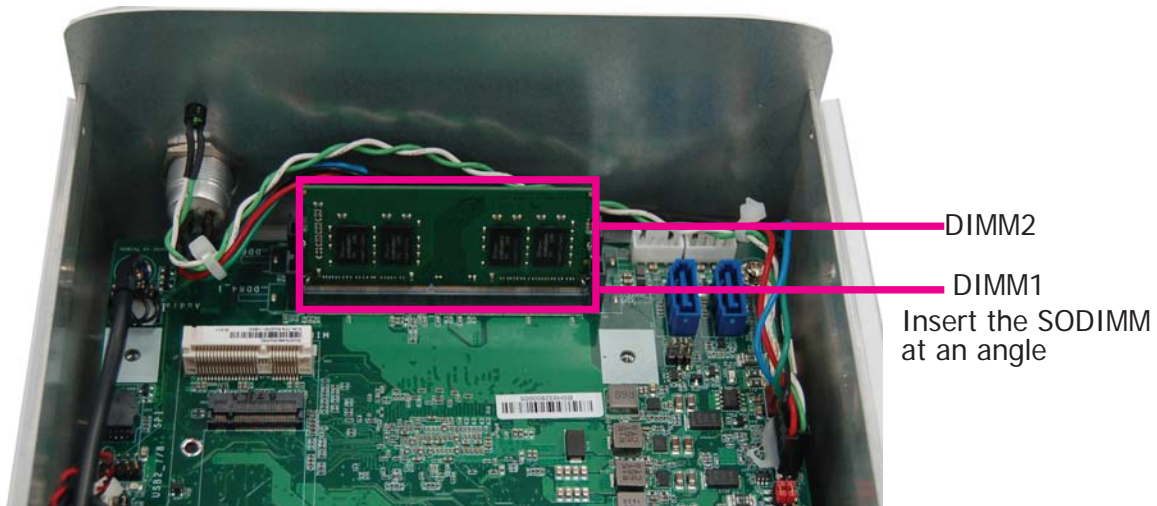
3. Connect the other end of the SATA data cable and the SATA power cable to the SATA data and SATA power connector on the mainboard respectively.





Installing a SODIMM

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 and push it forward until the retaining clips snap behind. Make sure that you have inserted the module fully into the socket so that the retaining clips will snap into place.



To remove a SODIMM, gently spread the retaining clips at each end of the SODIMM socket. The SODIMM should pop out of the socket. Lift the SODIMM away from the socket on the mainboard.



Notes:

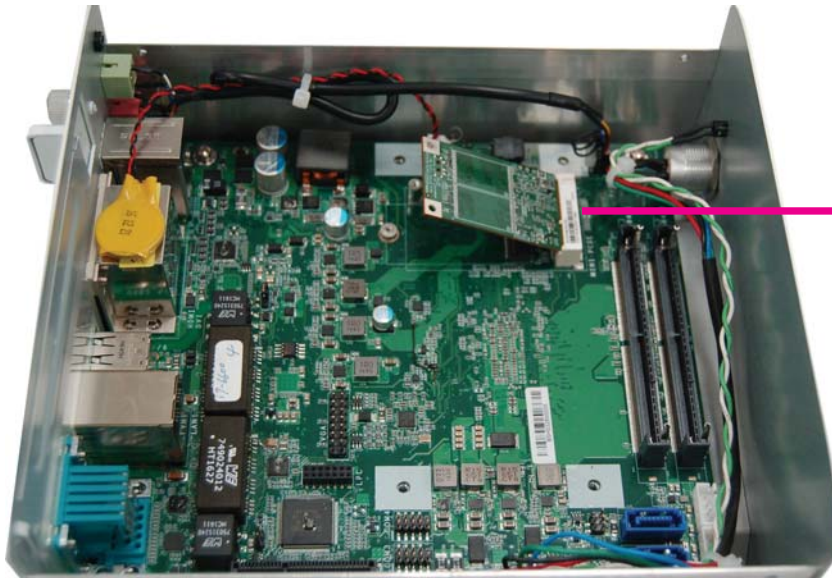
1. The system supports dual-channel configuration. To enable dual-channel, populate both SODIMM sockets.
2. If you plan to install only one SODIMM, install it in the DDR4_1 socket (closer to the center of the mainboard).
3. The SODIMM sockets can only accept DDR4 memory modules. Please do not install other types of memory modules.



Installing a Mini PCIe Expansion Card

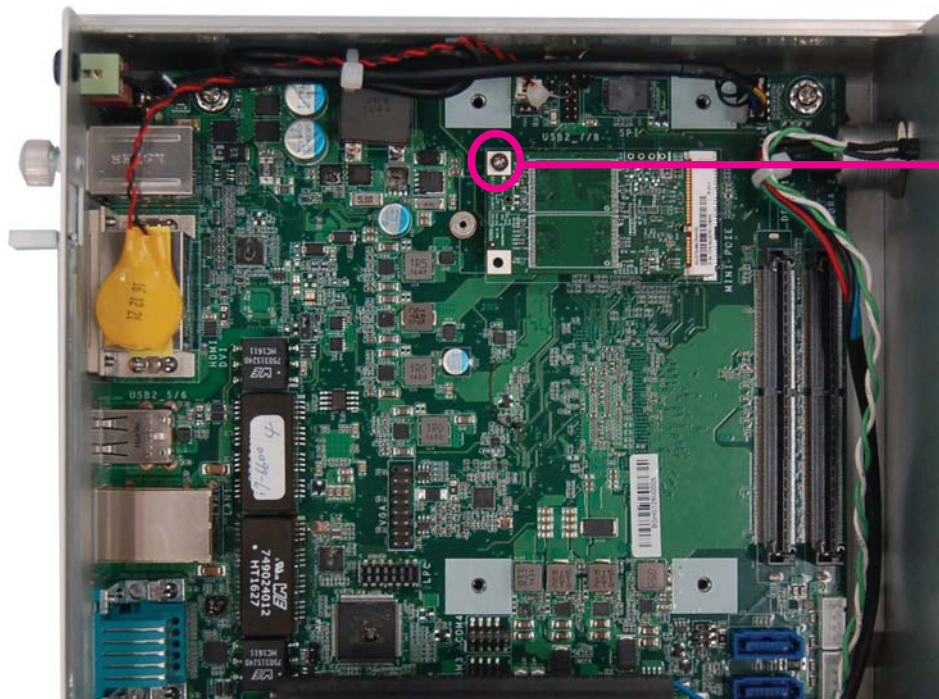
The Mini PCIe socket is located on the mainboard. Remove the HDD bracket first to access the socket. Use the following procedure to install a Mini PCIe card:

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



Insert the card at an angle

3. Push down on the other end of the Mini PCIe card and secure the card on the mainboard with the provided mounting screw (same size as the M.2 screw).



Mounting screw



Note:

The Mini PCIe slot provides PCIe and USB signals and can accommodate a Mini PCIe card.



Installing an M.2 Expansion Card

The system is equipped with one M.2 socket, supporting the M.2 22x42mm (key B) form factor. Remove the HDD bracket first to access the socket. Use the following procedure to install an M.2 card:

1. Align the notch at the edge of the M.2 card with the key in the connector.
2. Insert the M.2 card into the connector.



Insert the card
at an angle

3. Push down on the other end of the M.2 card and secure card on the mainboard with the provided mounting screw (same size as the Mini PCIe screw).



Mounting screw



Note:

The M.2 slot provides PCIe, USB, and SATA signals and can accommodate common mobile broadband and storage modules.

Installing a PCIe Expansion Card

The PCIe slot on the riser card inside the system is used to install expansion cards. Use the following procedure to install a Mini PCIe card:



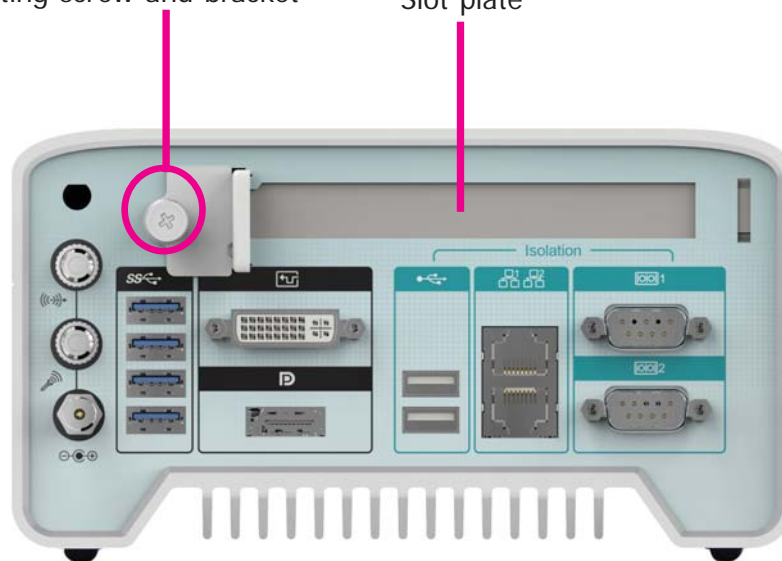
Note:

The riser card has a x16 PCIe connector that provides PCIe Gen3 x4 lanes.

1. Remove the slot plate and bracket by removing the screw on the front chassis.

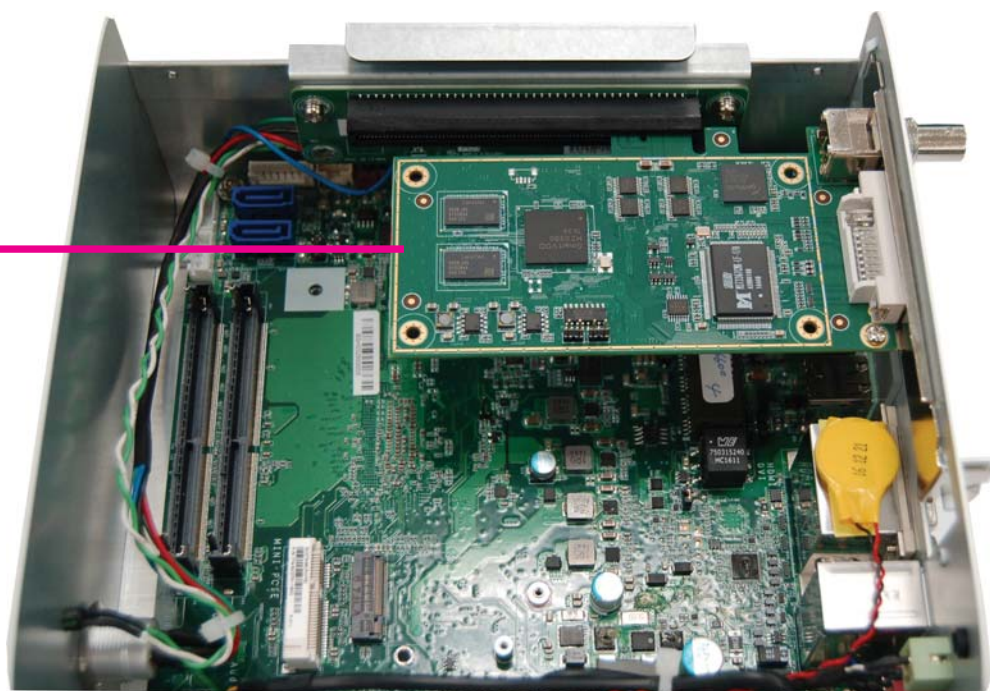
Mounting screw and bracket

Slot plate



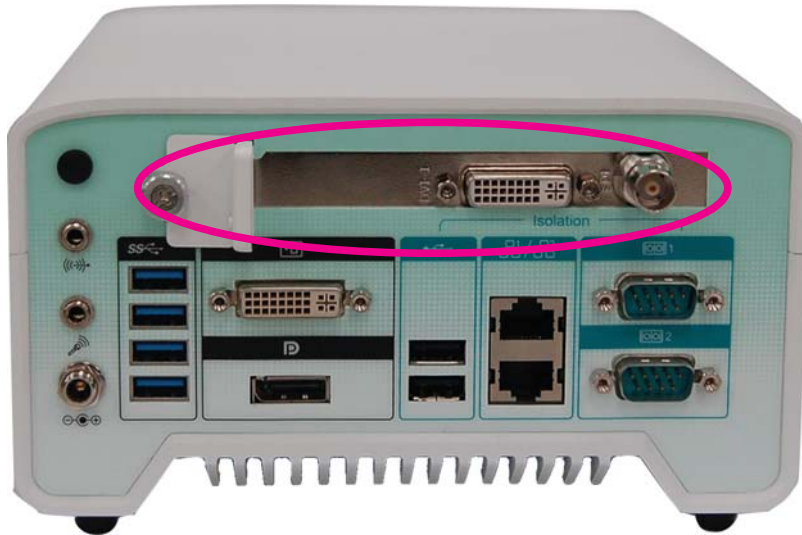
2. Insert the expansion card into the PCIe slot on the riser card. Ensure the card is properly seated into the slot.

PCIe card



3. secure the bracket in place.

Front View

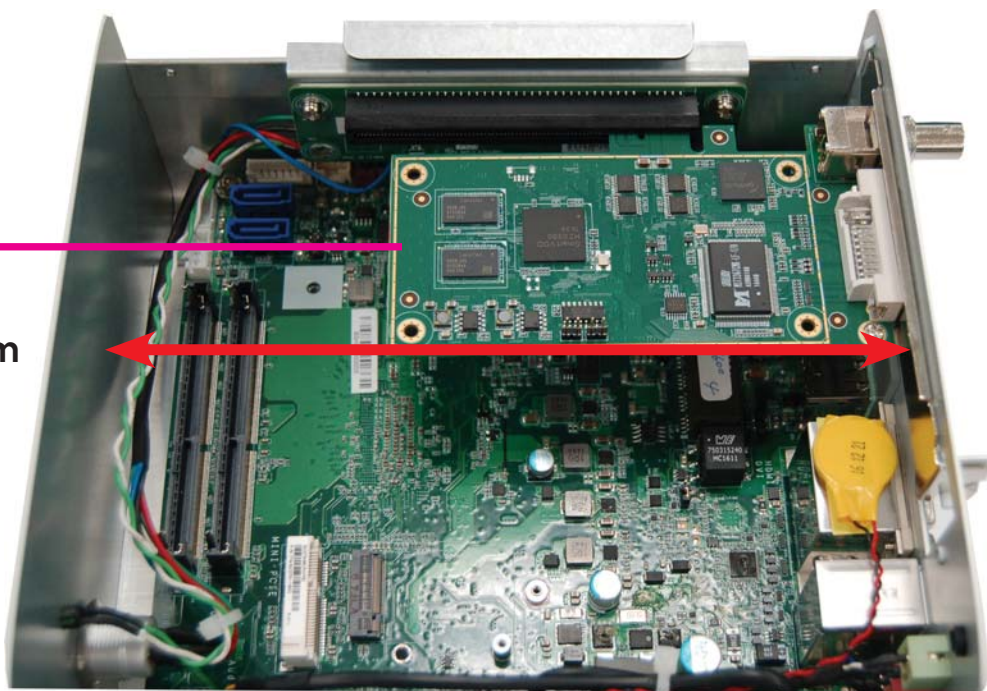


Important:

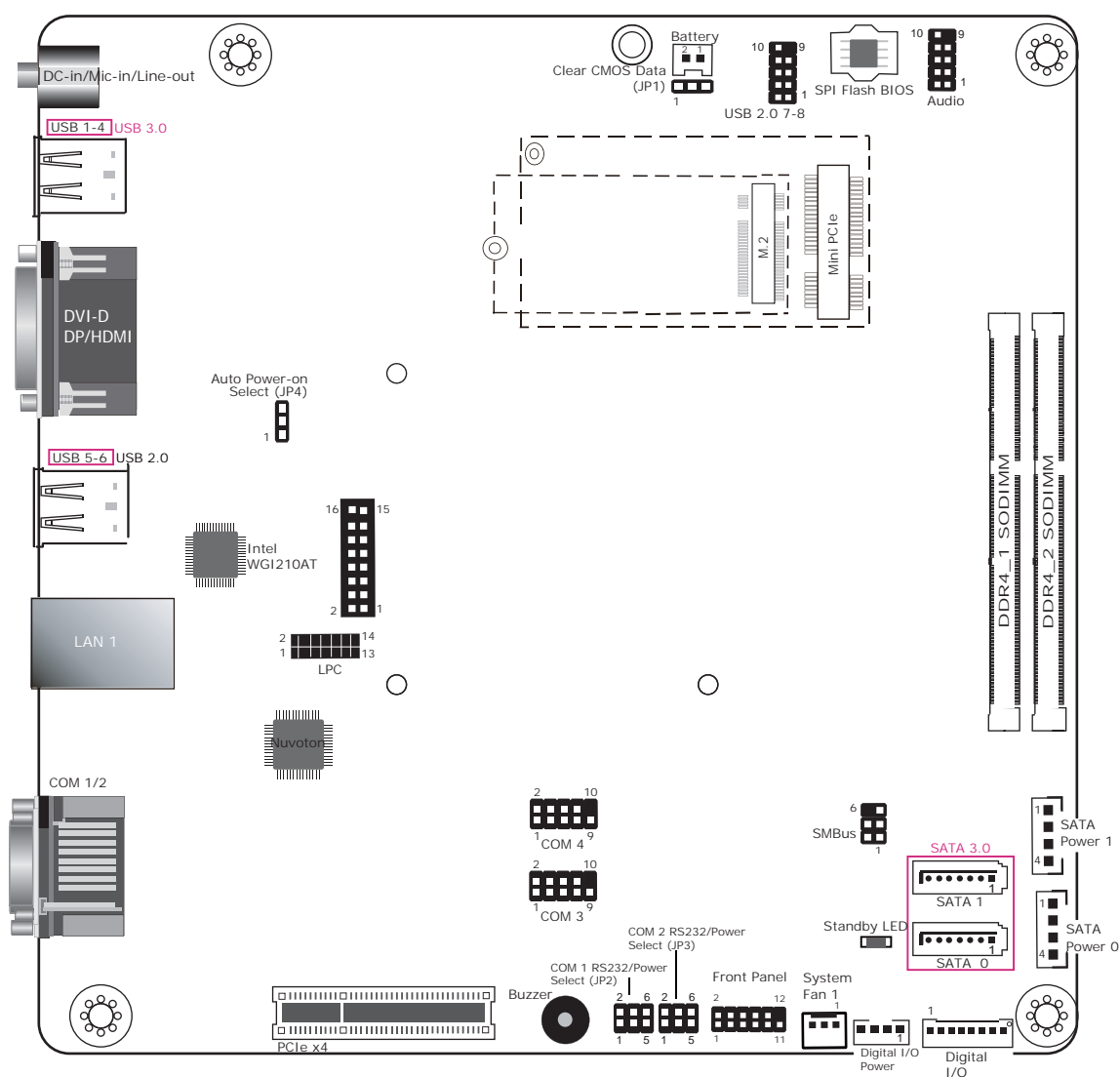
When inserting expansion cards into the system, please select a card within 167.65mm (as shown in the picture below) in order to fit into the expansion slot.

PCIe card

167.65mm



Board Layout and Jumper Settings



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

Auto Power-on Select	JP4
Power-on via Power Button (default)	1-2 On
Power-on via AC Power	2-3 On

RS232/Power Select: COM 1 (JP2), COM 2 (JP3)	
RS232 (default)	1-3 (RI), 2-4 (DCD) On
RS232 with power	3-5 (+5V), 4-6 (+12V) On