

WM342-KD Series Installation Guide

Package Contents

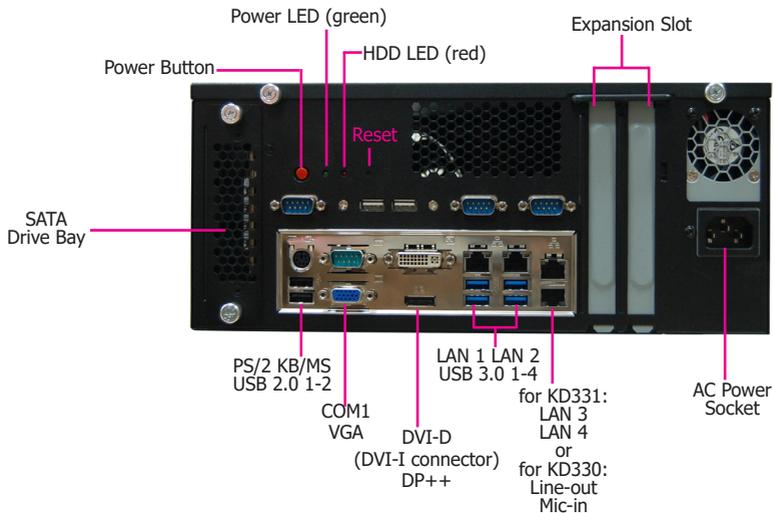
- One WM342-KD330/WM342-KD331 system unit
- 1 SATA data cable
- 1 CPU cooler and 1 system fan
- HDD mounting screws
- 1 Quick Installation Guide
- 1 CD disk includes:
 - Drivers / Manual

Panel

Front View



Rear View (WM342-KD330/WM342-KD331)



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

Opening the Chassis

Please observe the following guidelines and follow the procedure to open the system.

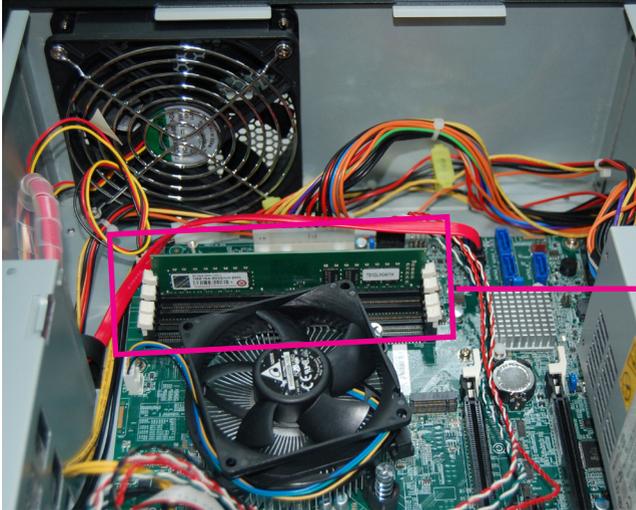
1. Make sure the system and all other peripheral devices connected to it have been powered off.
2. Disconnect all power cords and cables.
3. Remove the top cover by uninstalling the thumb screws.





Installing a DIMM

1. Align the notch on the DIMM with the tab in the DIMM connector.
2. Press down on the DIMM until the release tabs spring back to secure the DIMM in place.



The installed DIMM



Notes:

1. The WM342-KD330 is equipped with two or four DDR4 (dual channel) sockets depending on the chipset.
2. The WM342-KD331 is equipped with four DDR4 (dual channel) sockets.

Installing 2.5" SATA Drive

The system can accommodate two 2.5" SATA installation. Use the following procedure to install a SATA drive onto the system.

1. Remove the thumb screws that secure the HDD drive bay to the chassis and remove the drive bay.



- Secure the hard drive to the drive bay. Align the mounting holes on the SATA drive with the mounting holes on the HDD drive bay. Use 4 mounting screws to install the hard drive onto the HDD drive bay.



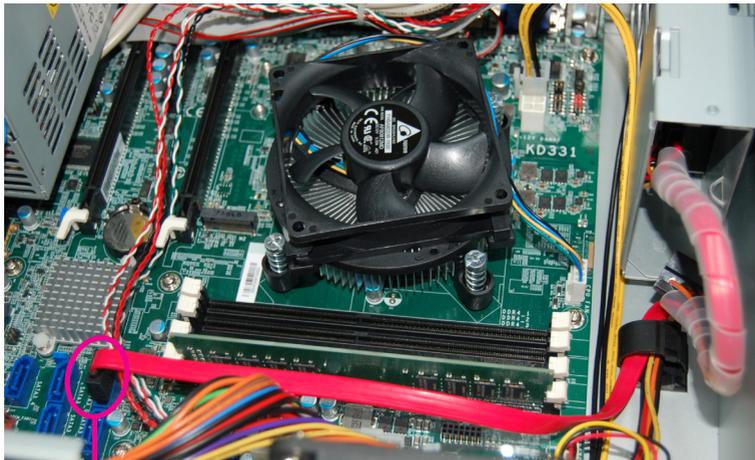
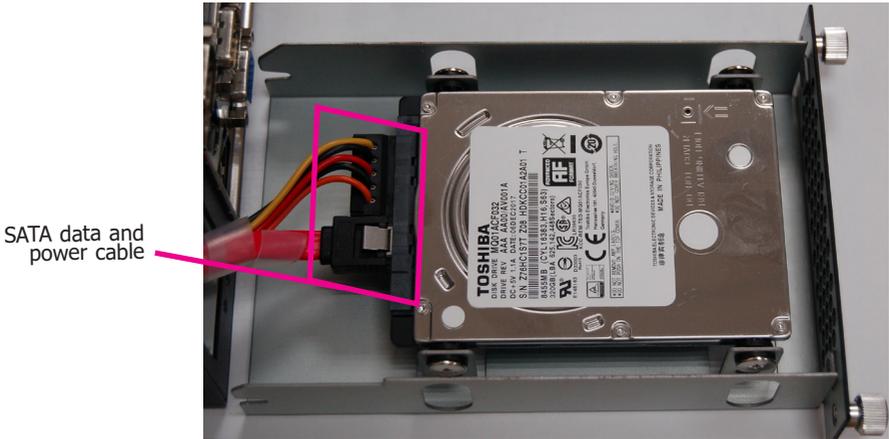
Drive bay



Mounting screw

2.5" SATA Drive

- Slide the HDD drive bay back to the system and secure it with the thumb screws.
- Connect the SATA data cable and power cable to the connectors on the SATA drive. And connect the other end of the SATA data cable on the motherboard.

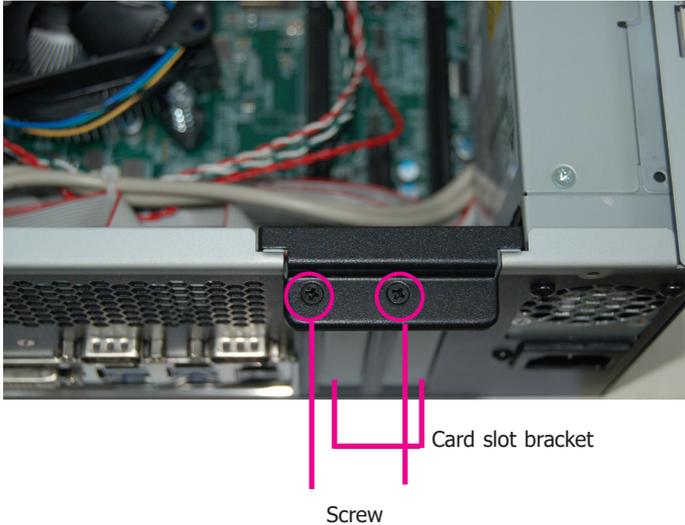


SATA port

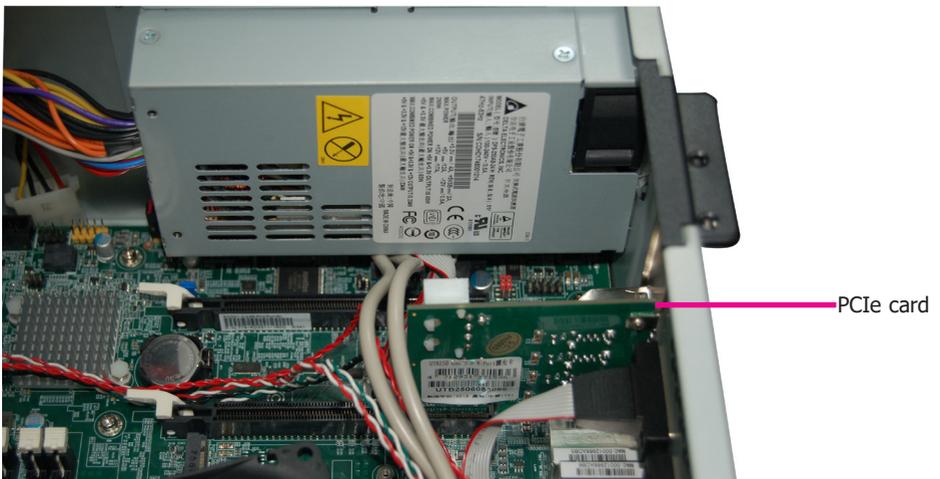
Installing a PCI or PCIe Expansion Card

Use the following procedure to install a PCIe expansion card:

1. Remove the mounting screws to uninstall the card slot bracket.



2. Insert the expansion card in the connector on the motherboard and press down until secured.



3. Reinstall the card slot bracket to secure the expansion card in place.

Rear View



PCIe card



Notes:

1. The WM342-KD330 is equipped with one PCIe x16 and one PCI slots.
2. The WM342-KD331 is equipped with one PCIe x16 and one PCIe x4 slots.

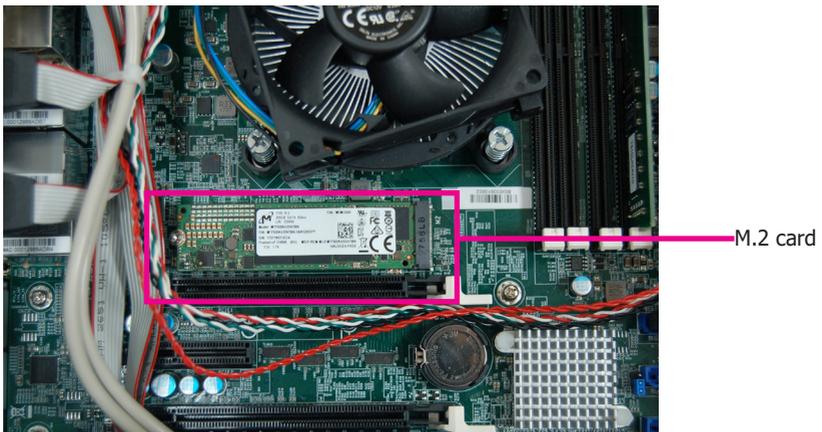
Installing an M.2 Card

The system is equipped with one M.2 socket, supporting both the M.2 22x60mm and 22x80mm (key M) form factors. Use the following procedure to install an M.2 card:

1. To install an M.2 type 2260 card, please install the standoff at the 60mm mounting position first.



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



Note:

The M.2 slot is available in WM342-KD331 (both Intel® C236 and Q170 chipsets); the SKU with Intel® C236 chipset supports Intel® Optane™ memory.

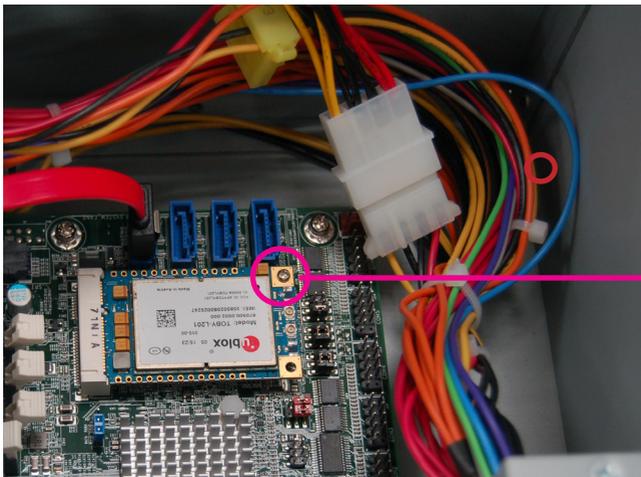
Installing a Mini PCIe Card

The system board is equipped with one Mini PCIe slot that uses USB, PCI and mSATA signals.

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



2. Push the Mini PCIe card down and use the provided mounting screws to secure the card on the system board.



Mounting screw

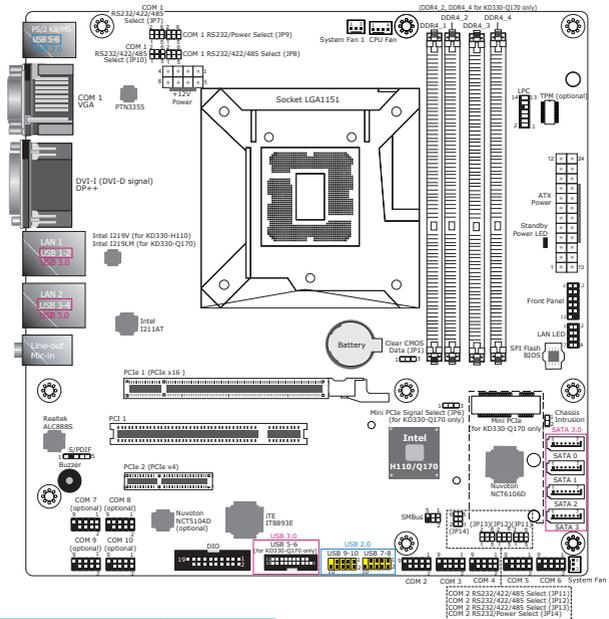


Note:

The Mini PCIe slot is available in WM342-KD330 (only with Intel® Q170 chipset).



Board Layout and Jumper Settings (WM342-KD330)



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

The following jumper settings are for WM342-KD330 (Intel® Q170) only.

RS232/422/485 Select	JP7 (COM 1) JP11 (COM 2)
RS232 (default)	1-2 On
RS422 Full Duplex	3-4 On
RS485	5-6 On

Mini PCIe/mSATA Signal Select	JP6
Mini PCIe (default)	1-2 On
mSATA	2-3 On

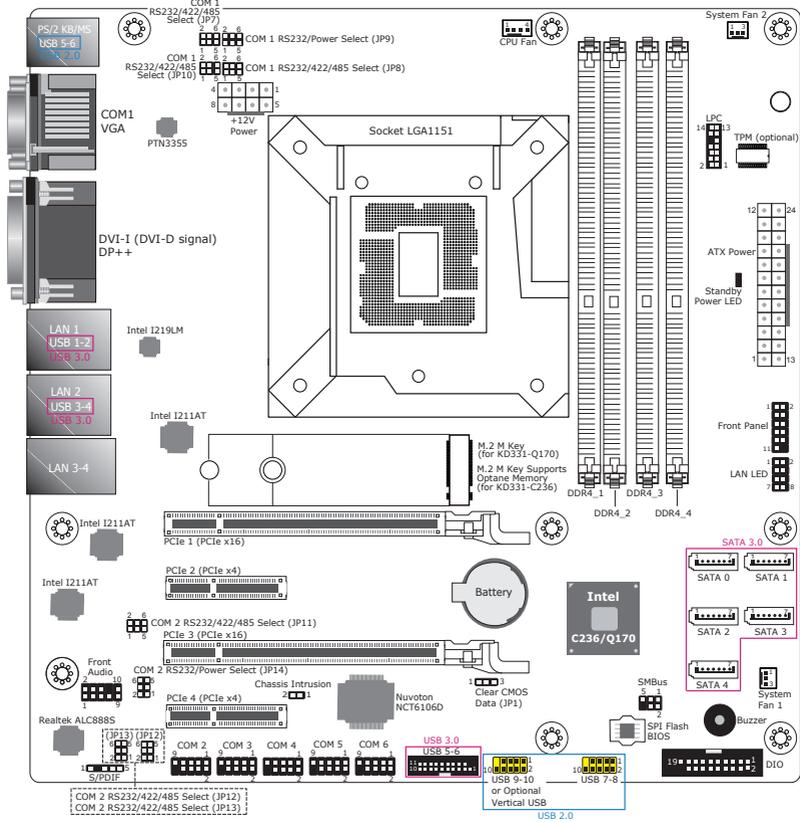
RS232/422/485 Select	JP8/JP10 (COM 1) JP12/JP13 (COM 2)
RS232 (default)	1-3, 2-4 On
RS422 Full Duplex/RS485	3-5, 4-6 On

RS232/Power Select	JP9 (COM 1) JP14 (COM 2)
RS232 (default)	1-3 (RI), 2-4 (DCD) On
RS232 with power	3-5 (+5V), 4-6 (+12V) On

Notes:

- When COM 1 RS232/422/485 is selected, JP8 and JP10 must be set in accordance to JP7.
- When COM 2 RS232/422/485 is selected, JP12 and JP13 must be set in accordance to JP11.

WM342-KD331



RS232/422/485 Select	JP7 (COM 1) JP11 (COM 2)
RS232 (default)	1-2 On
RS422 Full Duplex	3-4 On
RS485	5-6 On

RS232/Power Select	JP9 (COM 1) JP14 (COM 2)
RS232 (default)	1-3 (RI), 2-4 (DCD) On
RS232 with power	3-5 (+5V), 4-6 (+12V) On

RS232/422/485 Select	JP8/JP10 (COM 1) JP12/JP13 (COM 2)
RS232 (default)	1-3, 2-4 On
RS422 Full Duplex/RS485	3-5, 4-6 On

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

Notes:

- When COM 1 RS232/422/485 is selected, JP8 and JP10 must be set in accordance to JP7.
- When COM 2 RS232/422/485 is selected, JP12 and JP13 must be set in accordance to JP11.