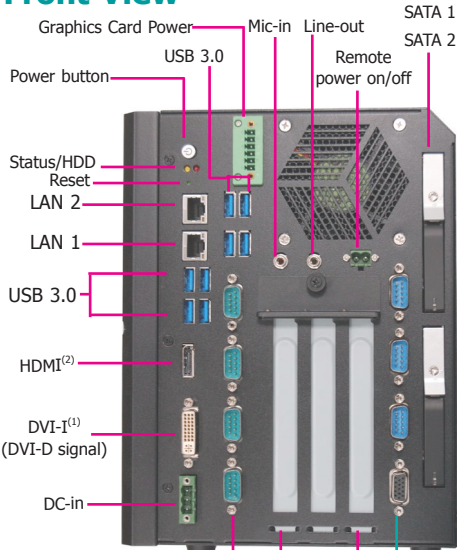


Package Contents

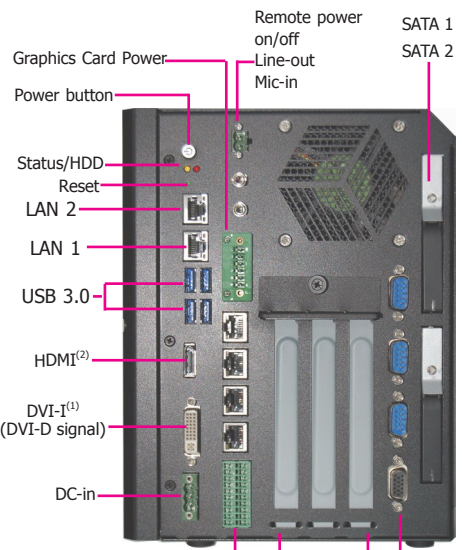
- 1 EC533-KD-AI6881 System Unit
- 1 Quick Installation Guide
- Mounting Screws for Mini PCIe and M.2

Front View



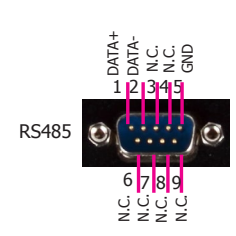
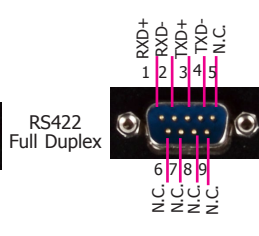
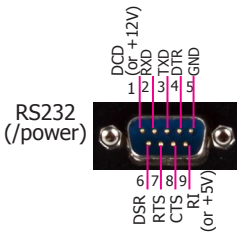
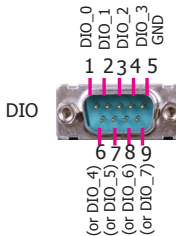
AI6881

- COM6 (/power)
- COM5 (/power)
- COM4 (/power)
- DIO
- Expansion slots
- COM3 (/power)
- COM2 (/power)
- COM1 (/power)
- VGA



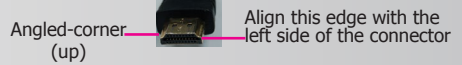
3G46E

- PoE 1~4 DIO
- Expansion slots
- COM3 (/power)
- COM2 (/power)
- COM1 (/power)
- VGA



Notes:

1. This port can be in DVI-D or HDMI (HDMI available upon request).
2. This port is a DP/HDMI combo port but can only transmit HDMI signals (unless wired as a DP port). Please plug in a DP or 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. For detailed instructions, see <https://youtu.be/SUj07rfN518>.



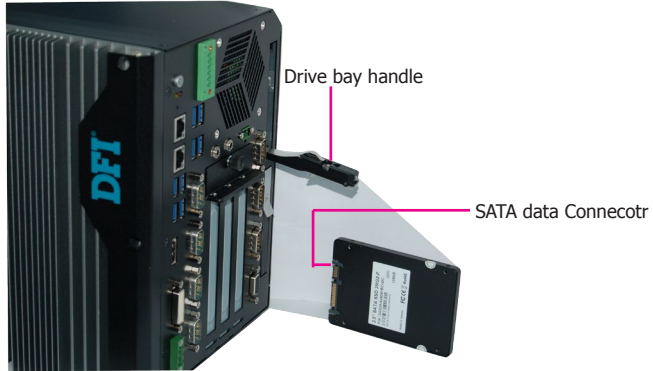
DFI reserves the right to change the specifications at any time prior to the product's release. For the latest revision of related technical documents and further information, please refer to related technical docs on our website at go.dfi.com/EC533-KD-AI or scan the QR code on the right.





Installing a 2.5" SATA Drive

The SATA drive bay can be easily accessed without opening the system. However, the system does not support hot-swapping hard drives; turn off the system first before proceeding with the following procedure for installing a SATA drive. Locate the drive bay on the front panel and open it by releasing the handle. Slide the HDD into the drive bay. Note that the HDD should be positioned vertically with the SATA data connector on top of the power connector to correctly engage with the system's SATA connectors. Then close the drive bay and lock the handle.



Notes:

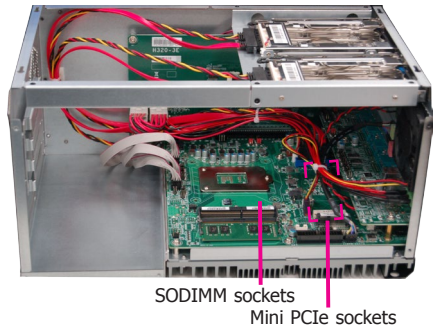
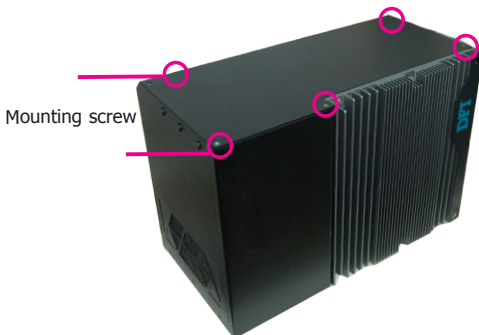
1. The slot is designed to exactly fit a 2.5" SATA drive with 7mm thickness; it cannot fit SATA drives with other sizes.
2. Do not force to close the drive bay if the HDD is not correctly inserted.



Removing the Chassis Cover

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

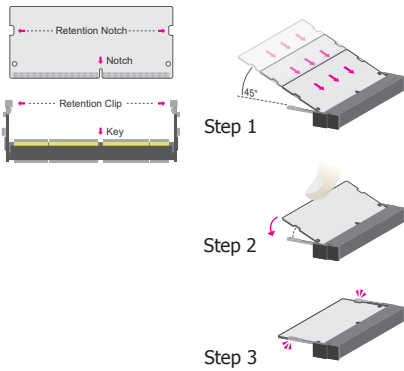
1. Service or maintenance procedures should only be performed by trained technicians.
2. Ground yourself by using a wrist grounding strap to prevent electrostatic discharge.
3. Make sure the connected system or computer and all other devices connected to it have been powered off.
4. Disconnect all power cords and cables.
5. The 5 mounting screws on the top cover of the system are used to secure the cover to the chassis. Remove these screws and then put them in a safe place for later use.
6. After removing the mounting screws, lift the chassis cover to open the system.



Installing Devices

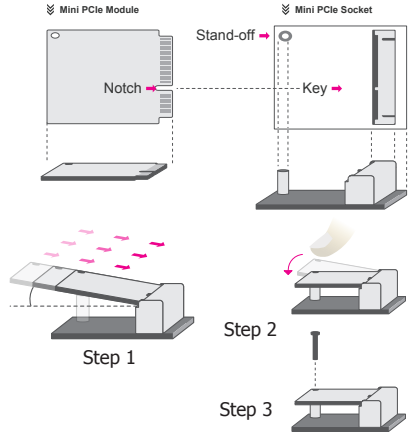
Installing a SODIMM

The system supports two DDR4 SODIMM sockets (dual channel).



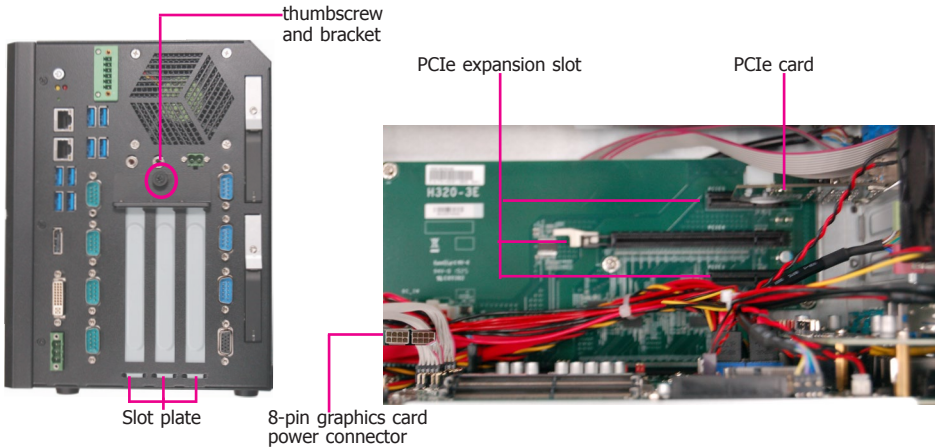
Installing a Mini PCIe Card

The system board is equipped with 2 Mini PCIe slots: full-size (black) and half-size (white). The half-size slot provides USB & SATA interfaces whereas the full-size slot provides PCIe and USB interfaces.



Installing a PCIe Expansion Card

To install an expansion card, you need to first remove the slot plates and bracket by uninstalling the thumb screws on the front panel.



Important:

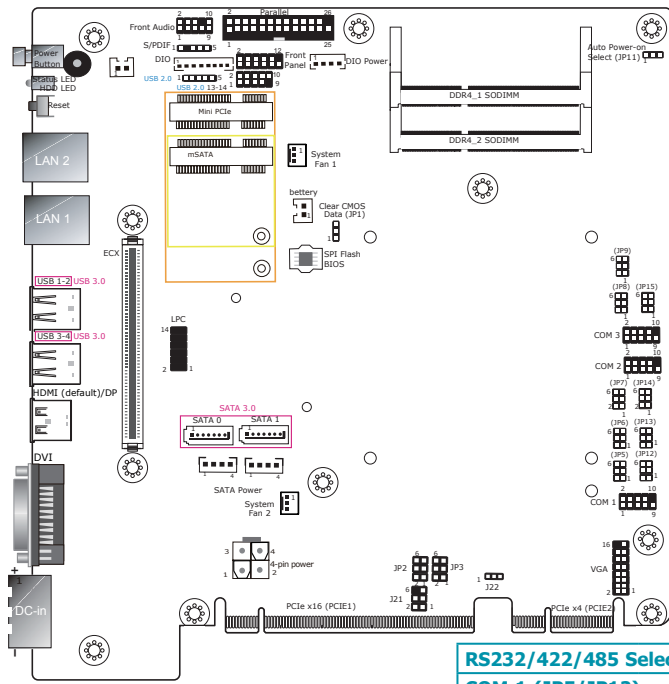
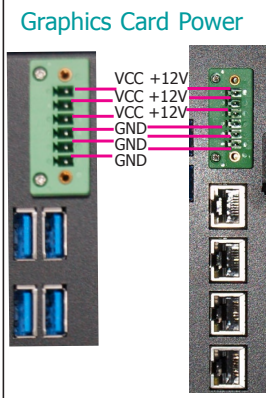
When inserting expansion cards into the system unit, please select a standard card within 303x126x41 (LxWxH) mm in order to fit into the system chassis.



Note: The EC532-KD-AI6881 provides one PCIe x16 and one PCIe x4 (x 1 lane) expansion slots with the H320-2E riser card. The EC533-KD-AI6881 and EC533-KD-AI3G46E one PCIe x16 and two PCIe x4 (x 1 lane) slots with the H320-3E riser card.

Board Jumper Settings

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

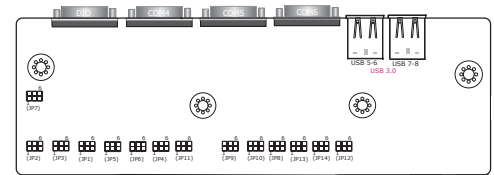


Auto Power-on Select	JP11
Power-on via Power Button (default)	1-2 On
Power-on via AC Power	2-3 On

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

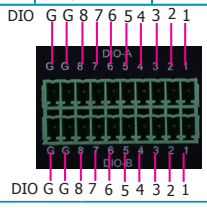
RS232/422/485 Select:		
COM 1 (JP5/JP12)	COM 2 (JP7/JP14)	COM 3 (JP8/JP15)
RS232 (default)	1-3, 2-4 On	1-2 On
RS422 Full Duplex	3-5, 4-6 On	3-4 On
RS485	3-5, 4-6 On	5-6 On

I/O board (EC532/533-KD-AI6881)



RS232/422/485 Select:	
COM 4 (JP2/JP3), COM 5 (JP9/JP10)	
RS232 (default)	1-3, 2-4 On
RS422 Full Duplex/RS485	3-5, 4-6 On

DIO



RS232/Power Select:	
COM 4 (JP7), COM 5 (JP11)	
RS232 (default)	1-3 (RI), 2-4 (DCD) On
RS232 with power	3-5 (+5V), 4-6 (+12V) On

RS232/422/485 Select:		
COM 4 (JP1)	COM 5 (JP8)	COM 6 (JP12)
RS232 (default)	1-3, 2-4 On	1-2 On
RS422 Full Duplex	3-5, 4-6 On	3-4 On
RS485	3-5, 4-6 On	5-6 On