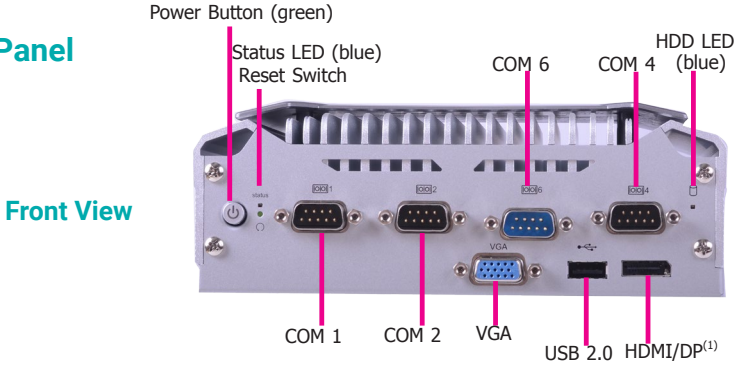


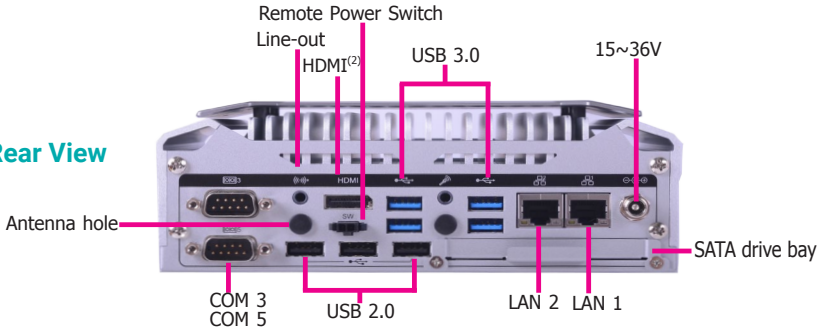
Package Contents

- EC70A-KU System Unit
- Mounting screws for SATA, Mini PCIe and M.2
- Extended power switch cable

Panel

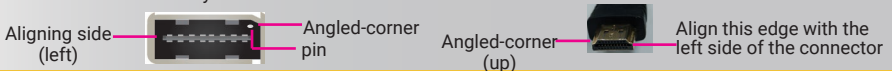


Rear View



Notes:

- 1.2. This port can be in HDMI or DP++.
- 1.2. 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.

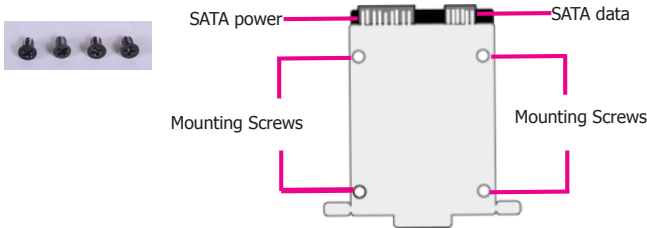


Installing a SATA Drive

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.

Use the following procedure to install SATA HDD or SSD to the system:

1. Locate the drive bay on the front panel and open it by uninstalling the screws. Then take out the HDD tray.
2. The system supports one 2.5" SATA drive. Use 4 provided screws to install a SATA HDD or SSD on the HDD tray. Then slide the HDD tray back into the drive bay and close the drive bay by installing the screws. Make sure that the HDD is on top of the tray when inserting the tray.



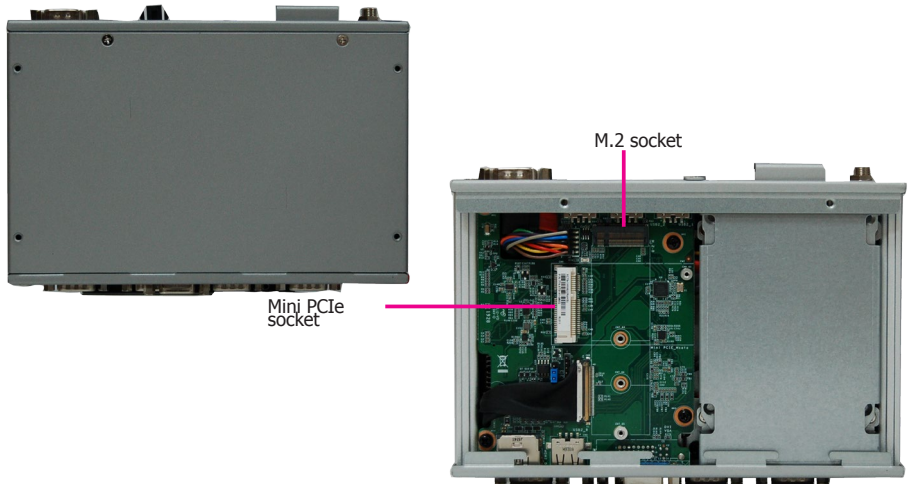
HDD tray Screws

Removing the Chassis Cover

Before working inside your system, observe the following precautions:

1. Make sure the system and all other peripherals connected to it have been powered off.
2. Disconnect all power cords and cables.
3. The 4 mounting screws 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.

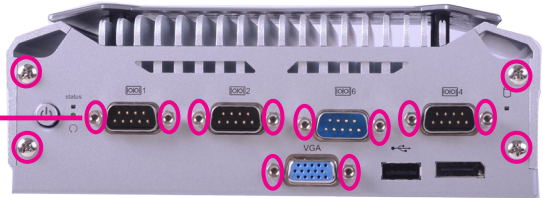
The Mini PCIe and M.2 sockets are accessible after removing the chassis cover. The M.2 type 2280 socket (B Key) provides PCIe Gen 3.0 x 1 interface that supports both PCIe NVMe and SATA SSD cards. The full-size Mini PCIe socket supports only mSATA cards.



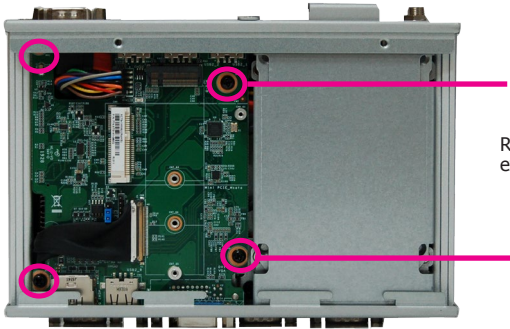
Accessing the System Board

The system board is equipped with 2 Mini PCIe slots: one full-size and one half-size slot. The full-size Mini PCIe slot supports PCIe and USB interfaces whereas the half-size Mini PCIe slot supports PCIe, USB and SATA interfaces (jumper switchable between PCIe and SATA). The PCIe sockets are located on the main board; to access the main board, detach the expansion board on top of it. Remove the screws that affix the front and back bezels as shown in the following pictures to remove the expansion board from the system.

Use a wrench or a screwdriver with a socket end to remove the fasteners used on DB-9 and VGA connectors



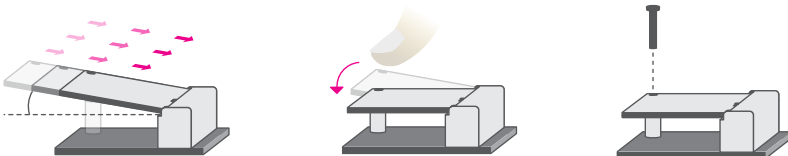
Use a wrench to remove the hexagonal gasket



Remove these screws to detach the expansion board from the main board

To install a Mini PCIe or an M.2 card:

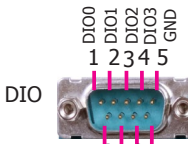
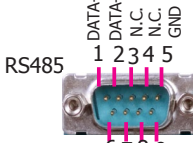
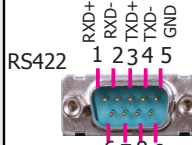
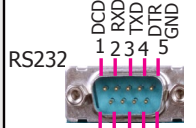
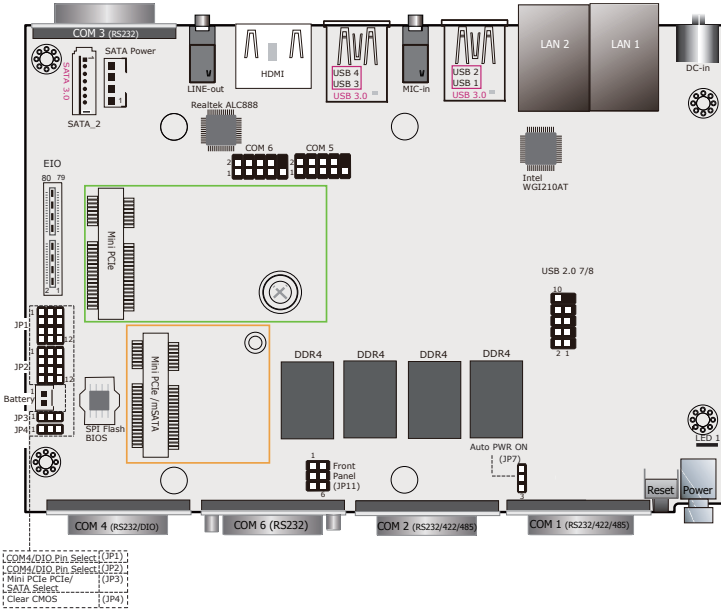
1. Grasp the Mini PCIe card by its edges and align the notch of the card with the key in the connector and insert the bottom edge of the card into the connector.
2. Push down on the other end of the card and use the provided mounting screw to secure the card on the system board.





Board Layout and Jumper Settings

COM 1~COM 2:
RS232/422/485
COM 4:
RS232 or DIO
COM 3, 5 & 6:
RS232



Clear CMOS	JP4
Normal	1-2 On (default)
Clear CMOS	2-3 On

Auto Power-ON	JP7
Normal	1-2 On (default)
Auto-PWR ON	2-3 On

Mini PCIe/SATA Select (for the half-size Mini PCIe slot)	JP3
PCIe	2-3 On
SATA	1-2 On (default)

COM4/DIO Pin Select	JP1	JP2
COM4	1-2, 4-5, 7-8, 10-11 On (default)	1-2, 4-5, 7-8, 10-11 On (default)
DIO	2-3, 5-6, 8-9, 11-12 On	2-3, 5-6, 8-9, 11-12 On

DFI reserves the right to change the specifications at any time prior to the product's release. This QIG may be based on editions that do not resemble your actual products. For the latest revision and more details of the installation procedure, please refer to <https://go.dfi.com/EC70A-KU> or scan the QR code on the right.

