DFI®

# KS070-AL Installation Guide

Package Contents

• One 7" Touch Panel PC
• One sheet of Poron foam
• 1 DVD disk includes:
- Manual

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

www.dfi.com

Panel

Top View

COM 2
(RS232/RS422/RS485)

COM 1
(RS232/RS422/RS485)

Antenna Hole

Bottom View

DP++

VGA

USB 3.0

DC-in

Mic-in

Power on/off

USB 2.0

LAN 2 LAN 1

Line-out
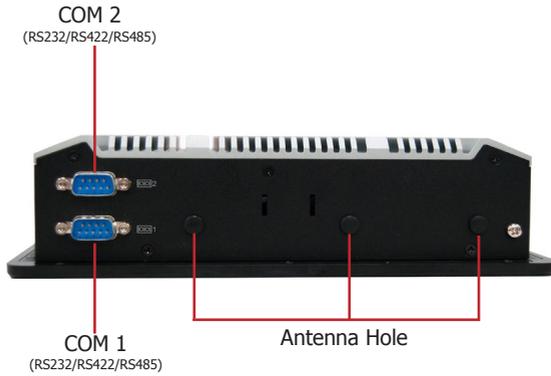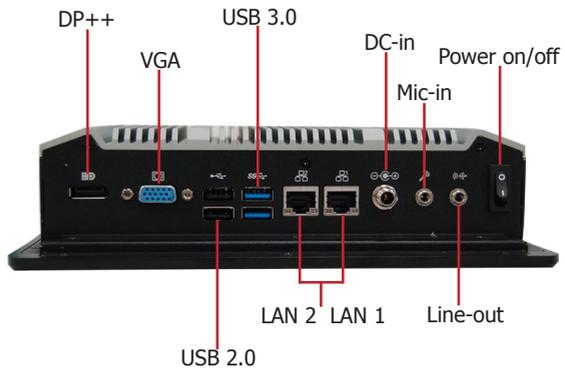
Installing a CFast Card

The CFast card slot can be accessed externally without opening the chassis. Before installing a CFast card, take off the CFast card slot cover.

CFast slot cover

1. Gently insert the CFast card straight with the label on the CFast card facing up until you feel it lock into place. Do not force the card into the slot if the card is not correctly inserted.


2. Close the CFast card cover and attach the screw. To eject the card, push the card inward to release the lock and pull it out.


CFast slot cover

Removing the Chassis Cover

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 12 mounting screws on the top and bottom as well as both 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.

Mounting screw

Mounting screw

Mounting screw
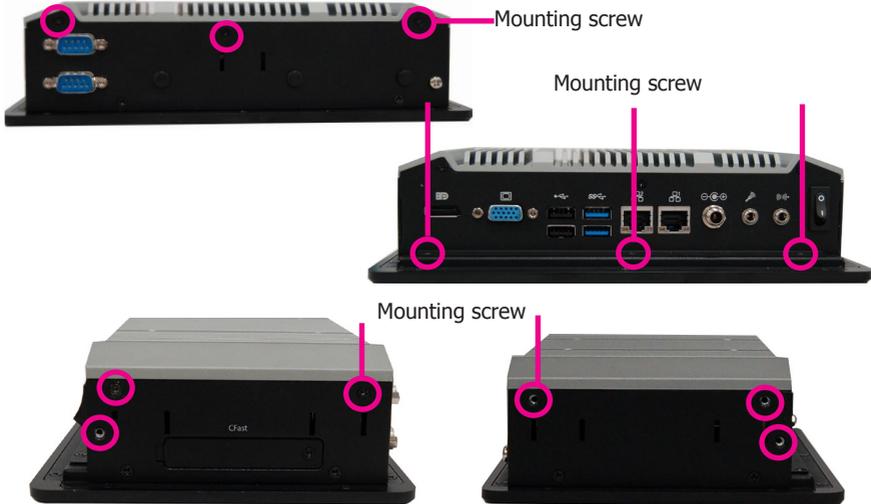
4. Lift the cover up to open the system.

5. The Mini PCIe and the M.2 sockets are readily accessible after removing the chassis cover.

M.2 socket

Mini PCIe socket
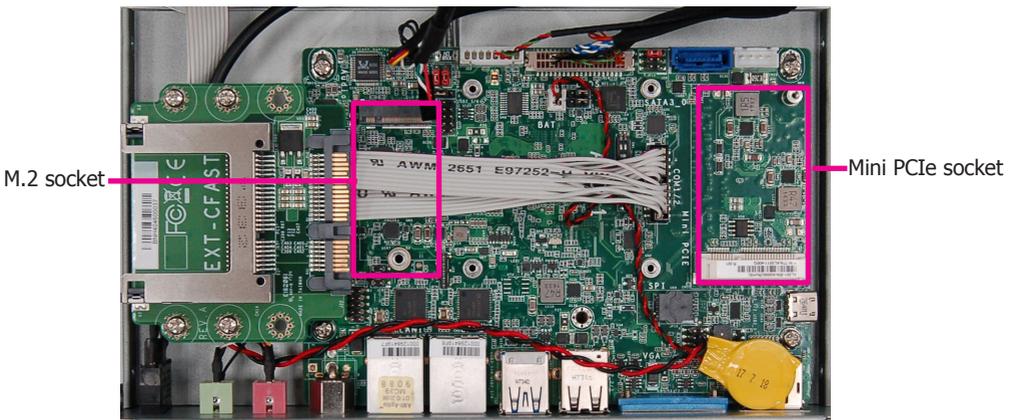
Installing an M.2 Card

The system is equipped with one M.2 socket, supporting the M.2 22x42mm (key B) form factor. 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.
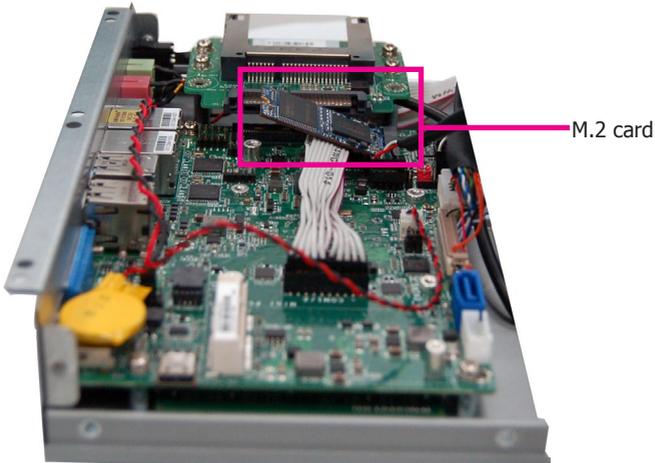
M.2 card

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


Mounting screw
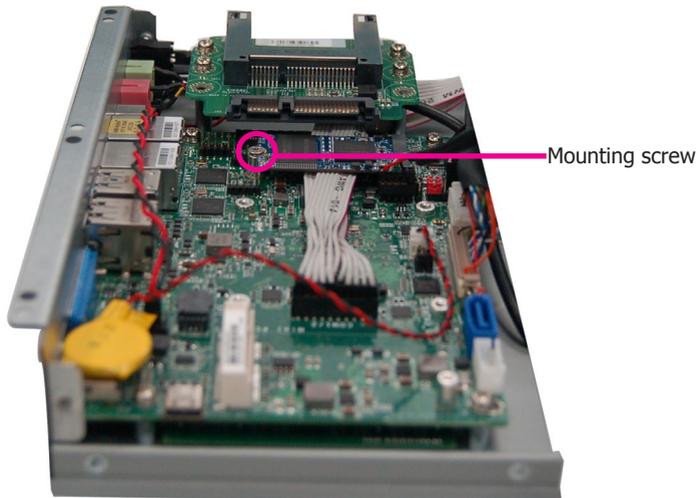
Note:
The M.2 socket supports PCIe, USB, and SATA signals and can accommodate common mobile broadband and storage modules. For jumper settings on switching the signal betwen SATA and PCIe, refer to "Board Layout and Jumper Settings."

Installing a Mini PCIe Card

The system board is equipped with one Mini PCIe slot that supports PCIe and USB signals. 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 PCIe card with the key in the connector on the system board.
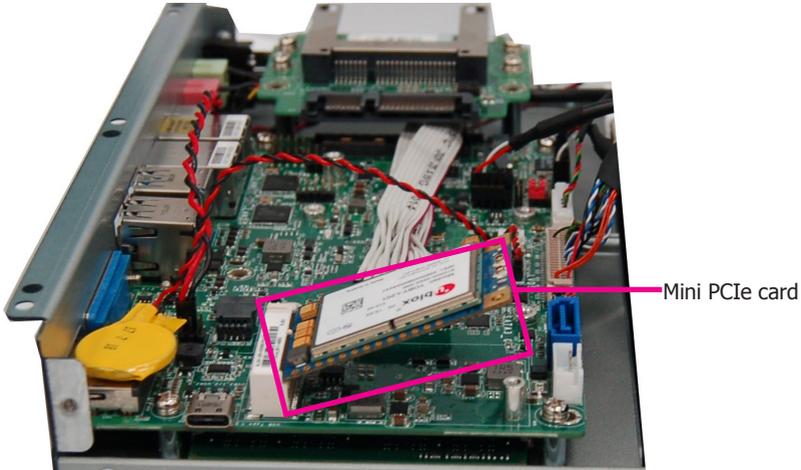
Mini PCIe card

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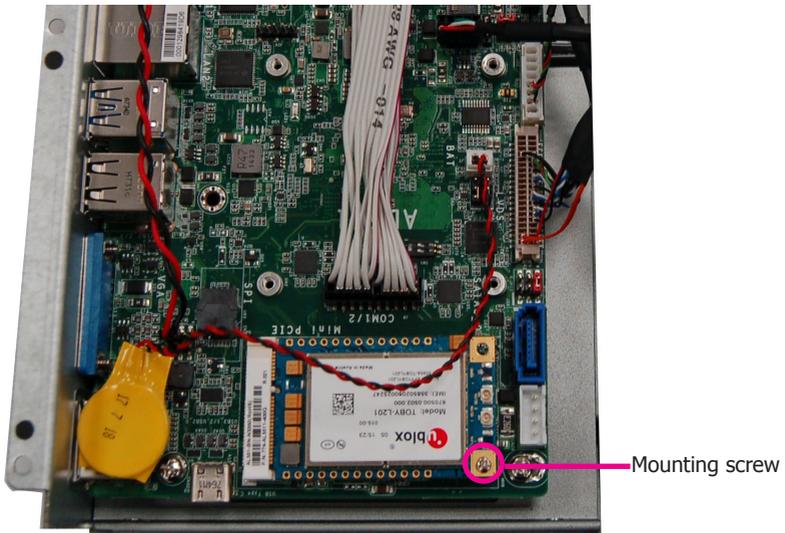
Mounting screw

Mounting Options

VESA mount

The VESA mount kit includes the following:
- 2 VESA mount brackets
- Bracket screws
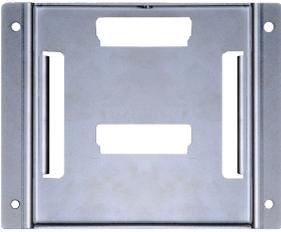

VESA mount bracket 1

VESA mount bracket 2

1. Before starting any installation procedures, attach the poron foam to the Panel PC.
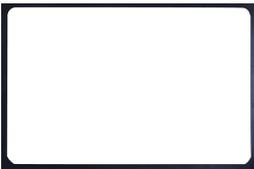

Poron foam
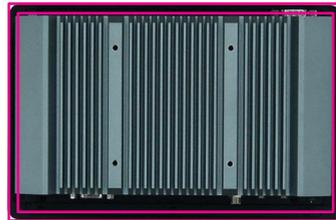
2. Select a place on the wall where you will mount the Panel PC.

3. Use the provided mounting screws to attach "VESA mount bracket 1" to the wall.

Mounting screw

VESA mount bracket 1
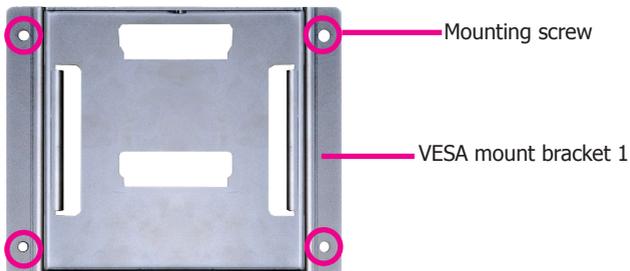
4. Attach the other bracket (VESA mount bracket 2) to the rear of the Panel PC.

Mounting screw

VESA mount bracket 2
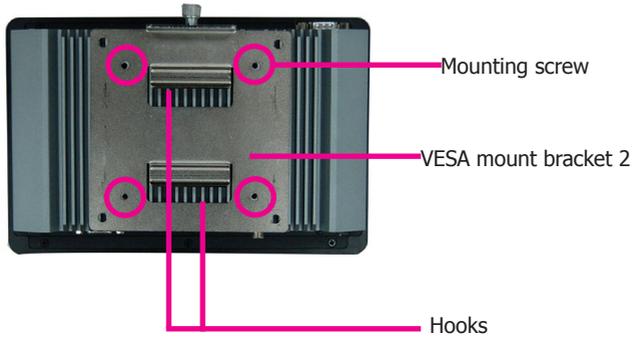
Hooks

5. Slide the Panel PC to "VESA mount bracket 1" to attach the two brackets with the hooks. Then tighten the screw to secure the assembly in place.

Screw
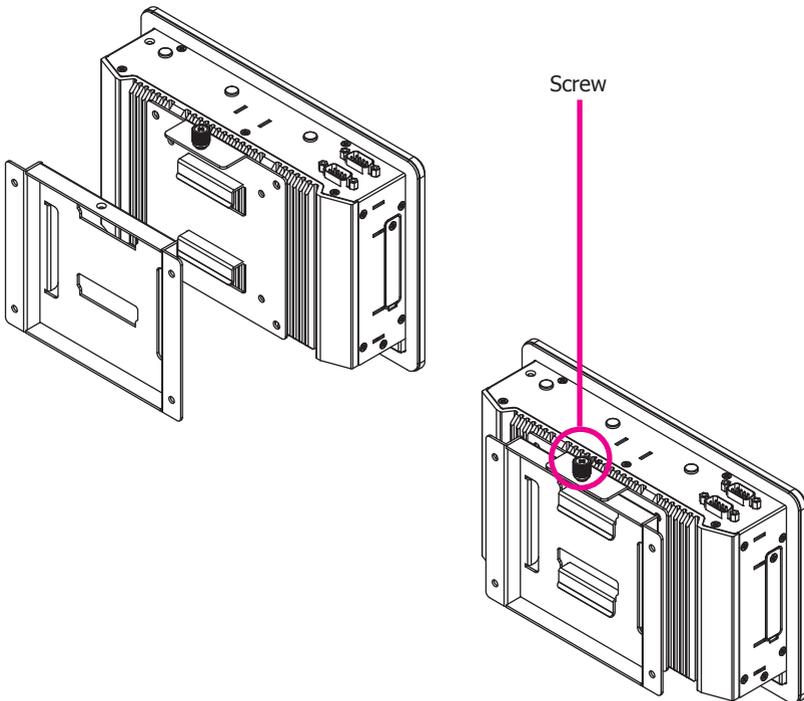
◉ Panel mount

The panel mounting kit includes the following:
- 6 mounting clamps

1. Before starting any installation procedures, attach the poron foam to the Panel PC.


Poron foam
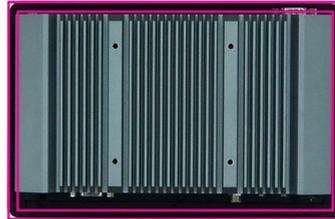
2. Select a place on the panel (or wall) where you will mount the Panel PC.

3. Cut out a shape on the panel that corresponds to the Panel PC's rear dimensions (210.5mm x 132.2mm) and ensure that the Panel PC can be fitted into the panel properly.

Mounting hole

Panel

132.20

210.50
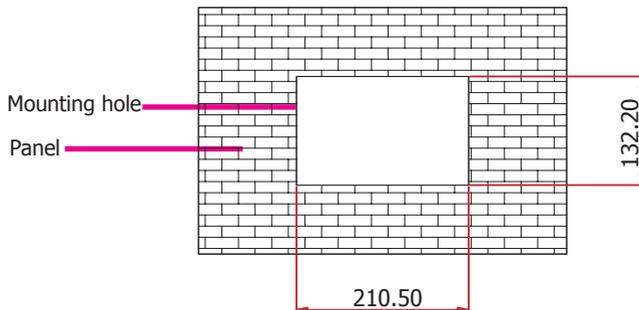
4. Insert the Panel PC from the outside surface of the panel into the mounting hole until it is properly fitted against the panel.

5. Position the mounting clamps along the rear edges of the Panel PC and insert them into the slits around the Panel PC.

Slit for mounting the clamp

White plastic cap
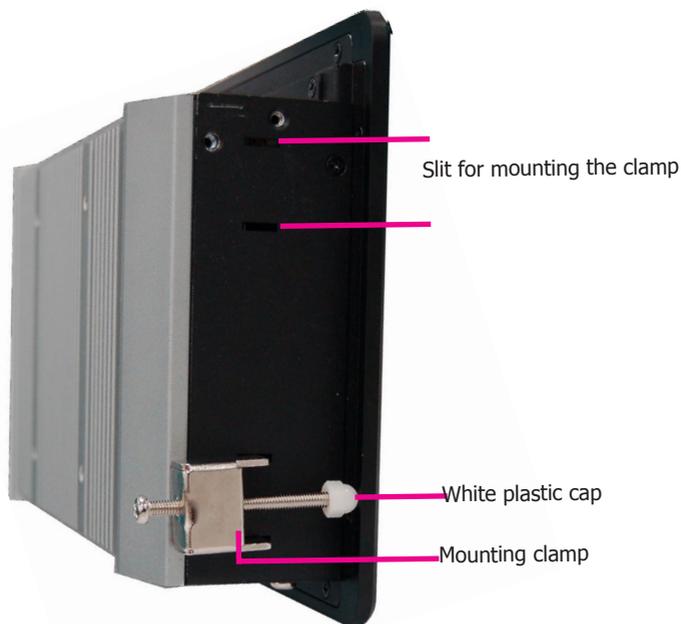
Mounting clamp

6. The first and second clamps must be positioned and secured diagonally prior to mounting the rest of the clamps. Tighten the clamp's screw using an electric screwdriver by pressing the white plastic cap onto the back of the panel. The illustration below shows that all clamps are properly mounted.
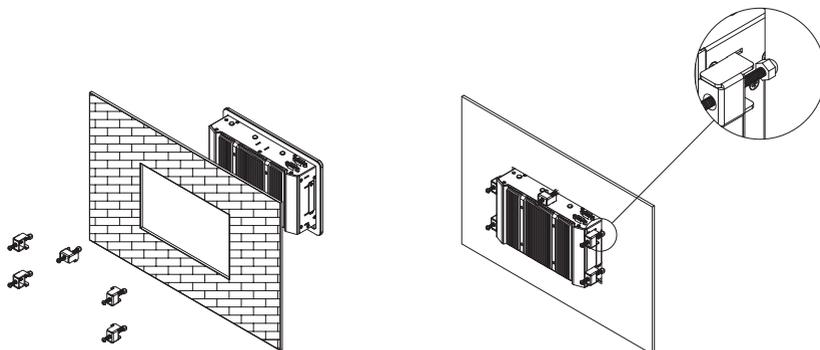

Note:
The flat panel thickness is less than 5mm.

Board Layout and Jumper Settings
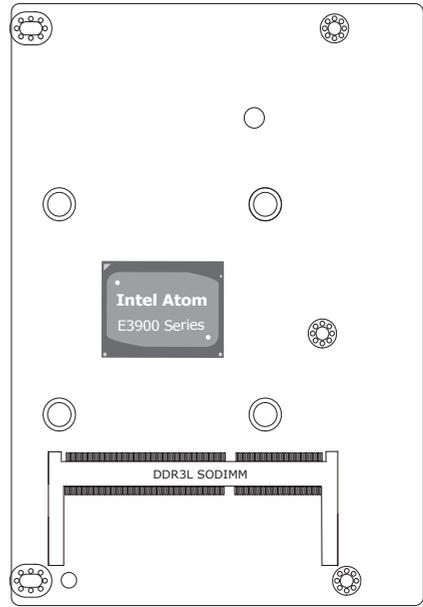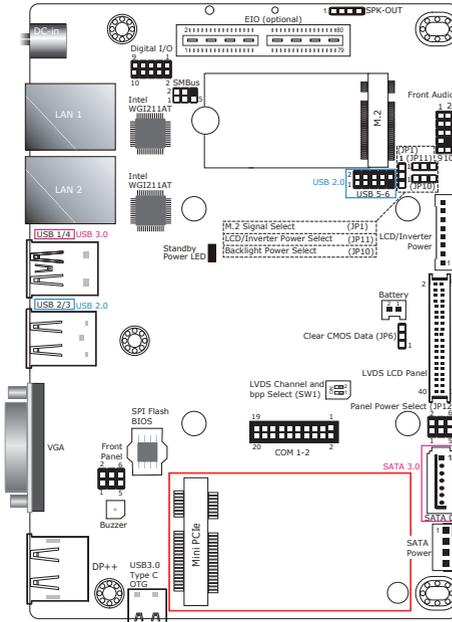
M.2 Signal Select	JP1
SATA (default)	1-2 On
PCIe	2-3 On

LCD/Inverter Power Select	JP11
+12V (default)	1-2 On
+5V	2-3 On

Clear CMOS Data	JP6
Normal (default)	1-2 On
Clear CMOS Data	2-3 On

Panel Power Select	JP12
+12V	1-2 On
+5V	3-4 On
+3.3V (default)	5-6 On

Backlight Power Select	JP10
+3.3V (default)	1-2 On
+5V	2-3 On

Switch 1	1 On	1 Off	2 On	2 Off
LVDS Channel and bpp Select	Single LVDS	Dual LVDS	VESA (24bpp)	JEIDA or VESA (18bpp)

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