

# MPC350-RPS

Medical Edge AI inference System

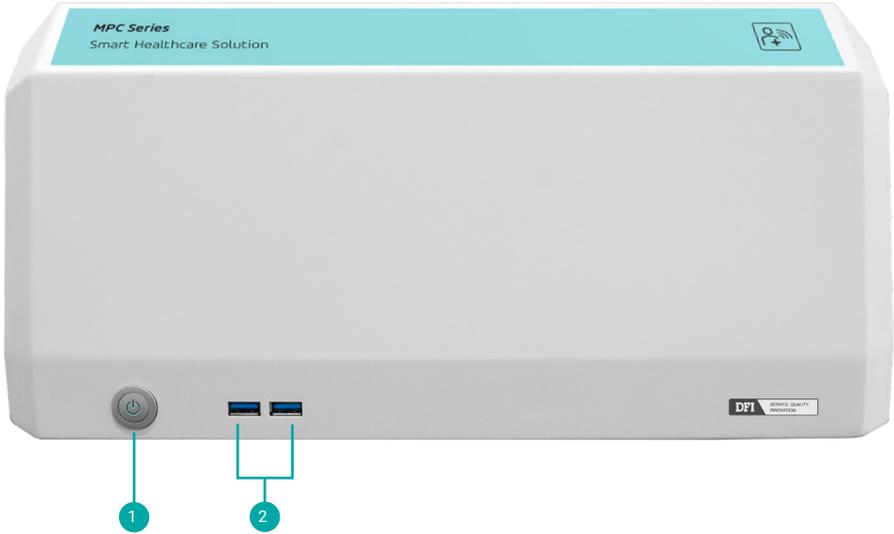


## Package Contents

1 x System Unit

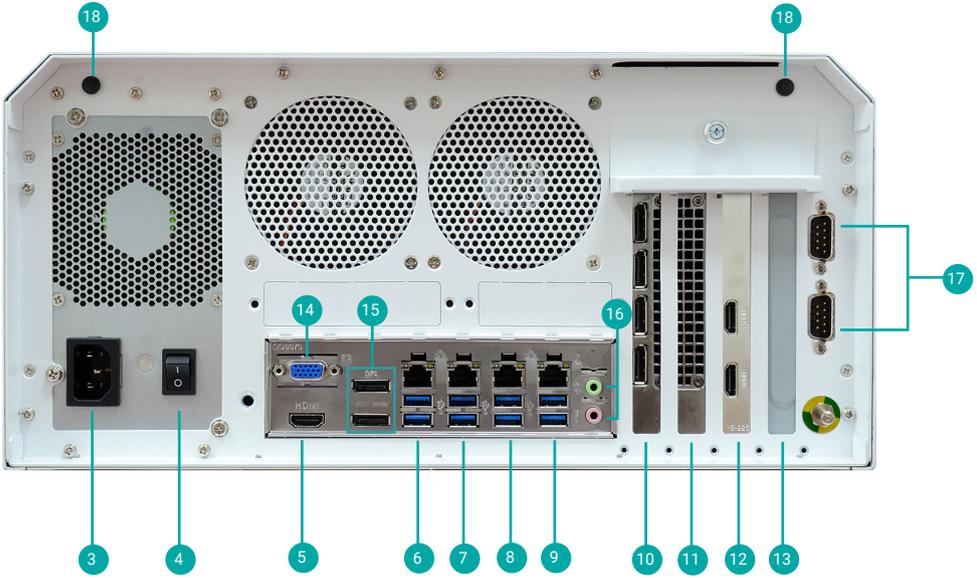
# Product Overview

## Front View



- 1** Power Button
- 2** USB2\_5/6 USB3\_5/6

# Rear View



- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>3 DC-IN</li> <hr/> <li>4 PSU Switch</li> <hr/> <li>5 HDMI</li> <hr/> <li>6 ▲2.5G LAN<br/>▼USB2_1/2<br/>USB3_1/2</li> <hr/> <li>7 ▲2.5G LAN<br/>▼USB2_3/4<br/>USB3_3/4</li> <hr/> <li>8 ▲2.5G LAN<br/>▼USB2_7/8<br/>USB3_7/8</li> <hr/> <li>9 ▲2.5G LAN<br/>▼USB2_9/10<br/>USB3_9/10</li> <hr/> <li>10 PCIe x16 (Gen 4)</li> </ul> | <ul style="list-style-type: none"> <li>11 PCIe x4 (Gen 4)</li> <hr/> <li>12 PCIe x16 (Gen 4)</li> <hr/> <li>13 PCIe x4 (Gen 4)</li> <hr/> <li>14 VGA</li> <hr/> <li>15 DP++</li> <hr/> <li>16 ▲Line-Out<br/>▼MIC-In</li> <hr/> <li>17 COM</li> <hr/> <li>18 Antenna Hole</li> </ul> |
|--|---|

## Removing the Chassis Cover

Please observe the following guidelines and follow the instructions 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.

### Step 1:

The 7 screws on the rear side of the system are used to secure the cover to the chassis cover. Remove the screws and put them in a safe place for later use.



### Step 2:

Slide the over in the opposite direction to open the system.



Step 3:

The board can be easily accessed after the chassis cover is removed.



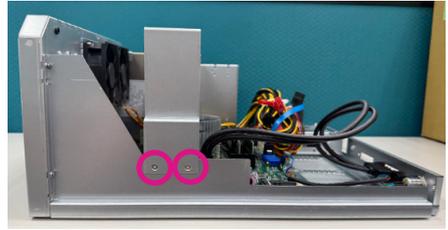
## Installing a PCIe Expansion Card

Please observe the following guidelines and follow the instructions to install a PCIe expansion card.

1. Make sure the system and all other peripheral devices connected to it have been powered off.
2. Disconnect all power cords and cables.

### Step 1:

PCIe slots inside the system are used to install expansion cards. Please remove the screws at the each side of the metal bracket.



### Step 2:

To disassemble the slot brackets, please loosen the thumb screw by turning counterclockwise. And then unlock the screw from a slot bracket the one you want to install an expansion card in. For those screws, please keep them in a safe place for later use.



Thumb screw



1 1 x PCIe x16

2 1 x PCIe x4

3 1 x PCIe x16

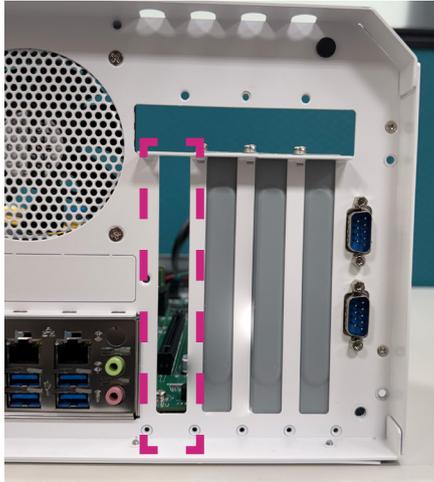
4 1 x PCIe x4

## ► Installing a Graphics Card

### Step 1:

Install PCI Express x16 graphics card, that comply to the PCI Express specifications, into the PCI Express x16 slot. To install a graphics card into the x16 slot, align the graphics card above the slot then press it down firmly until it is completely seated in the slot. The retaining clip of the slot will automatically hold the graphics card in place.

A maximum size of a graphics card supports up to 268 x 111.1 x 41.7 (mm).

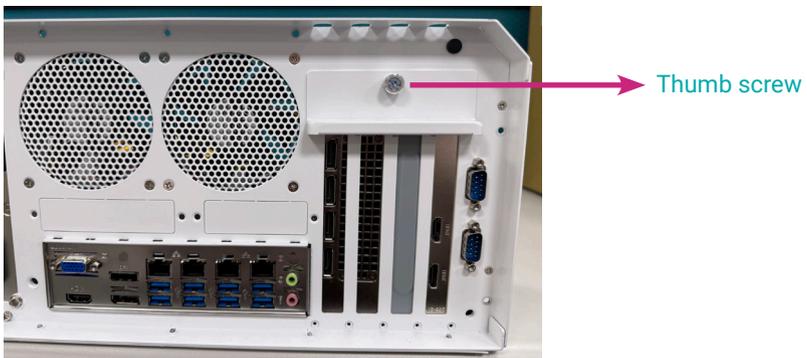
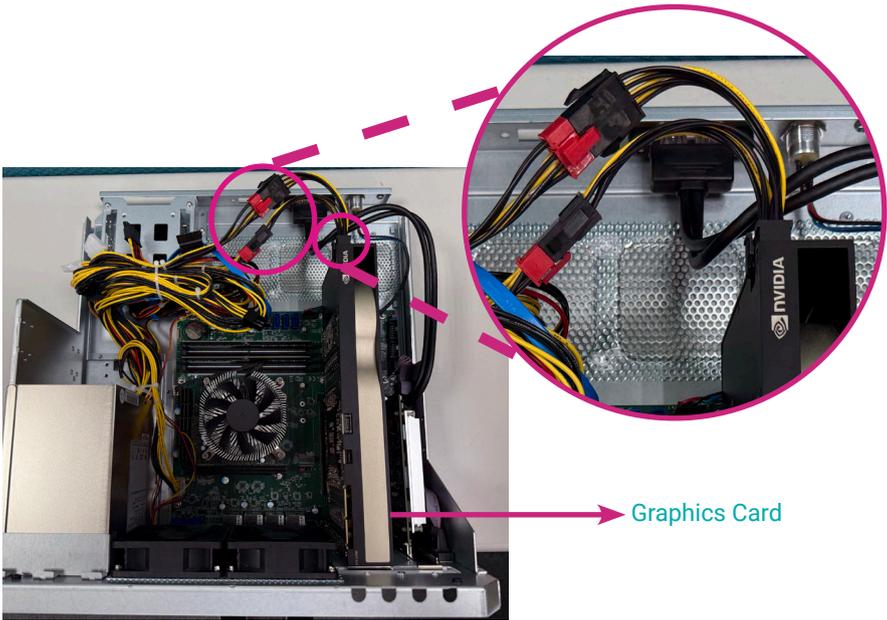


#### Note:

For optimum performance of GPU, be sure to install it on the PCIe x16 slot 1 only. When PCIe slot 3 has device installed, both PCIe slot 1 & 3 would run at x8.

Step 2:

Make sure the power connector is connected to the both motherboard and a graphics card. Lock it with one screw to secure a graphics card in place and reassemble the bracket by turning the thumb screw clockwise.



Step 3:

Assemble the metal bracket and the chassis cover back.



## ► Installing a video capture card

### Step 1:

Install PCI Express cards such as video capture cards or other cards that comply to the PCI Express specifications into the PCI Express x4 slot. To install a video capture card into the x4 slot, align the card above the slot then press it down firmly until it is completely seated in the slot.



### Step 2:

Lock it with one screw to secure a video capture card in place and reassemble the bracket by turning the thumb screw clockwise.



### Step 3:

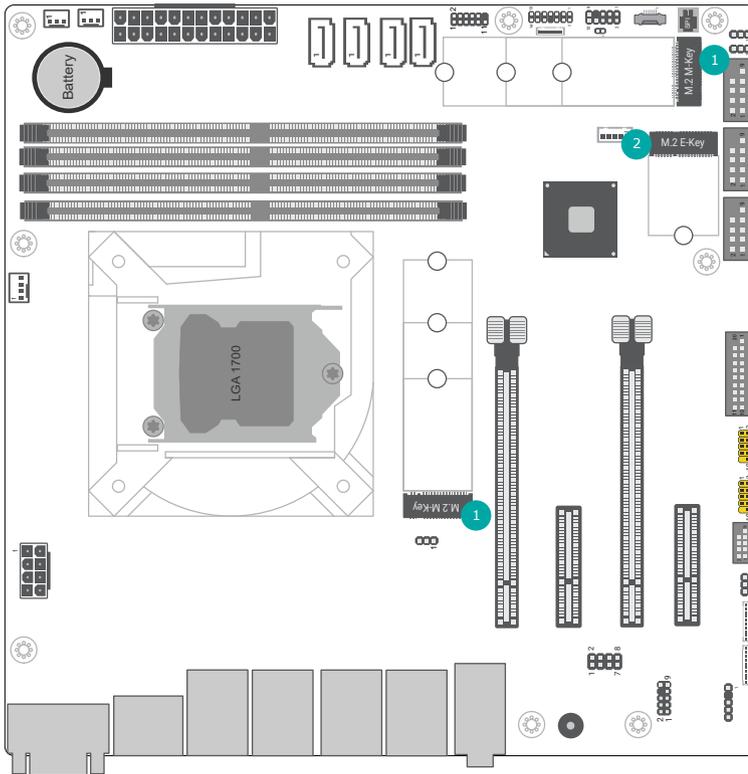
Install the metal bracket and the chassis cover back.



## ► Installing the M.2 Module

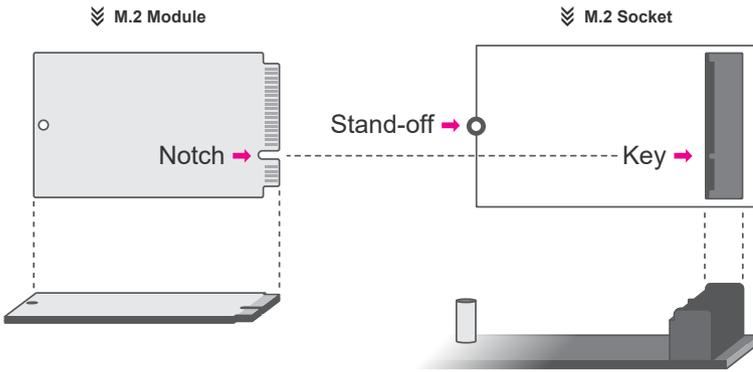
Before installing the M.2 module into the M.2 socket, please make sure that the following safety cautions are well-attended.

1. Make sure the PC and all other peripheral devices connected to it has been powered down.
2. Disconnect all power cords and cables.
3. Locate the M.2 socket on the system board
4. Make sure the notch on card is aligned to the key on the socket.
5. Make sure the standoff screw is removed from the standoff.

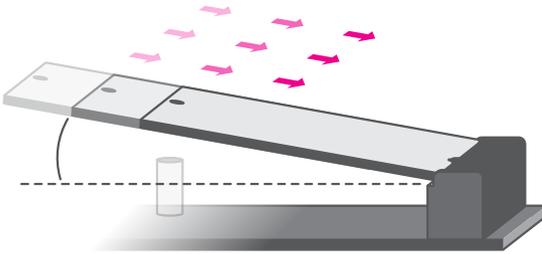


1 M.2 M-Key

2 M.2 E-Key

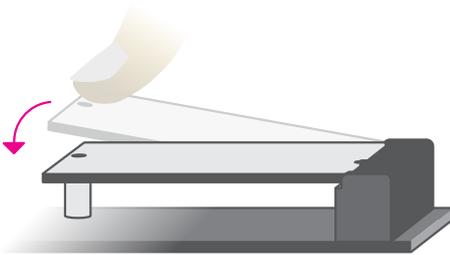


Please follow the steps below to install the card into the socket.



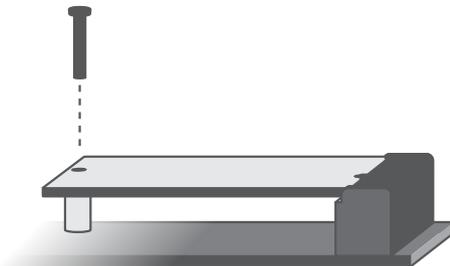
**Step 1:**

Insert the card into the socket at an angle while making sure the notch and key are perfectly aligned.



**Step 2:**

Press the end of the card far from the socket down until against the stand-off.



**Step 3:**

Screw tight the card onto the stand-off with a screw driver and a stand-off screw until the gap between the card and the stand-off closes up. The card should be lying parallel to the board when it's correctly mounted.

## Installing an Antenna

Before installing the antenna, please make sure that the following safety cautions are wellattended.

1. Make sure the PC and all other peripheral devices connected to it has been powered down.
2. Disconnect all power cords and cables.

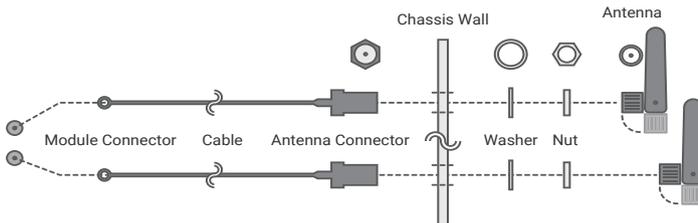
### Step 1:

There are antenna holes reserved on the back side of the system and covered by rubber plugs. Please remove the plug prior to installing an antenna.



### Step 2:

Connect the internal cable to the board's antenna connector, screw the antenna connector through the antenna hole with washers and nuts, and screw on the antenna as illustrated below.



DFI reserves the right to change the specifications at any time prior to the product's release. This QR may be based on the product's revision. For more documentation and drivers, please visit the download page at [www.dfi.com/downloadcenter](http://www.dfi.com/downloadcenter), or via the QR codes to the right.

