

# EC500-ADS

## Modular-Designed Embedded System

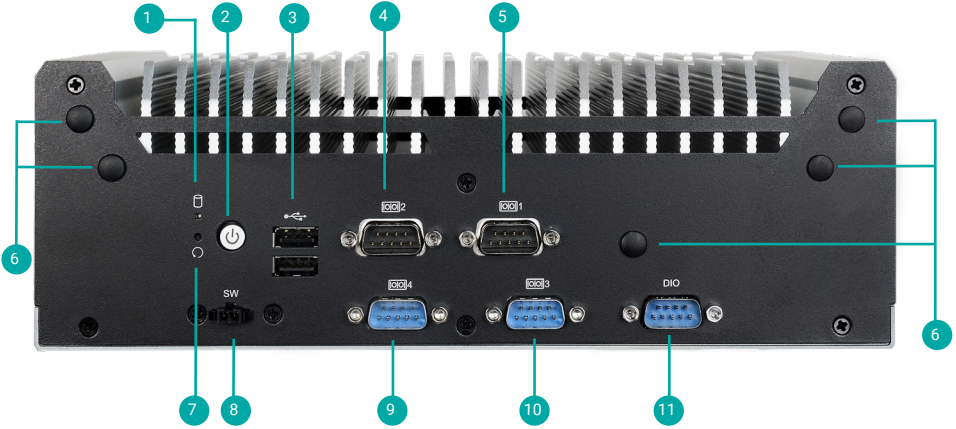


### Package Contents

• 1 EC500-ADS System Unit
• 1 M.2 Slot Screws
• 1 Terminal Block 3 Pole For DC Input
• 1 Cable With 2 Wire Stripped And Tinned To DC Jack

# Product Overview

## Front View



1 HDD LED

2 Power Button (w/ Status LED)

3 USB2.0 Type A

4 COM2

5 COM1

6 Antenna Holes

7 Reset Button

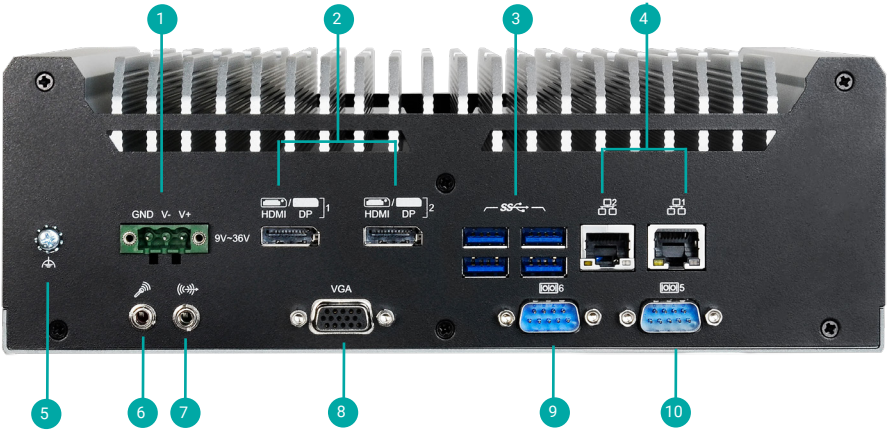
8 Remote Switch

9 COM4

10 COM3

11 DIO

## Rear View



1 3-pole Terminal Block

2 HDMI/DP++ (Auto Detection)

3 USB3.1 Type A

4 LAN1~2

5 Grounding

6 Mic-In

7 Line-Out

8 VGA

9 COM6

10 COM5



### Important:

Please be cautious when inserting an HDMI cable into the HDMI/DP port. The HDMI male connector shall align to the left of the port as illustrated here. The insertion is fairly effortless and please reframe from forcing the insertion to prevent damage.



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

Front View



Rear View



Left View

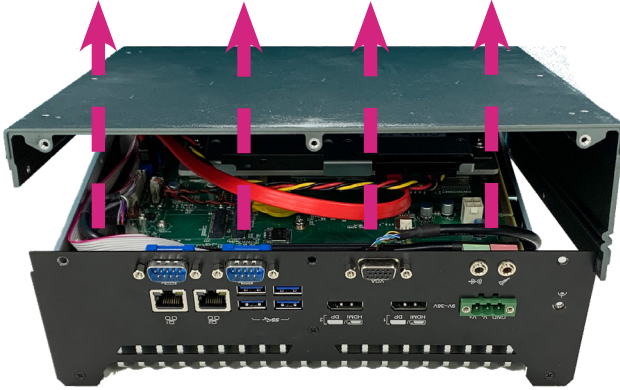


Right View



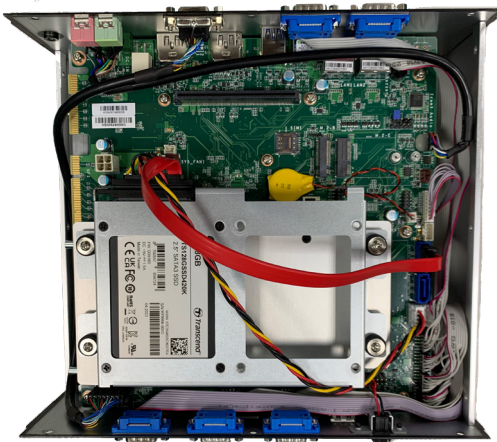
**Step 2:**

Lift the cover to open the system.



**Step 3:**

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



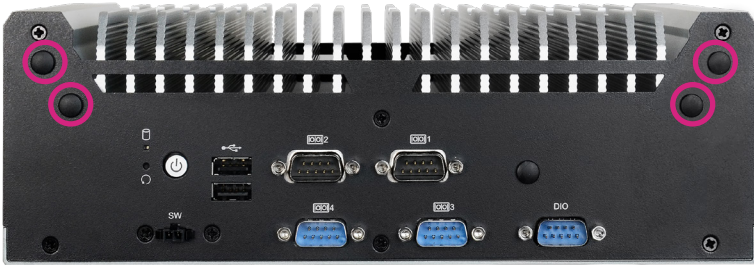
## Installing an Antenna

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.

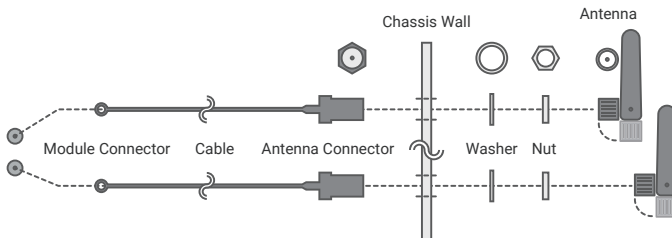
### Step 1:

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



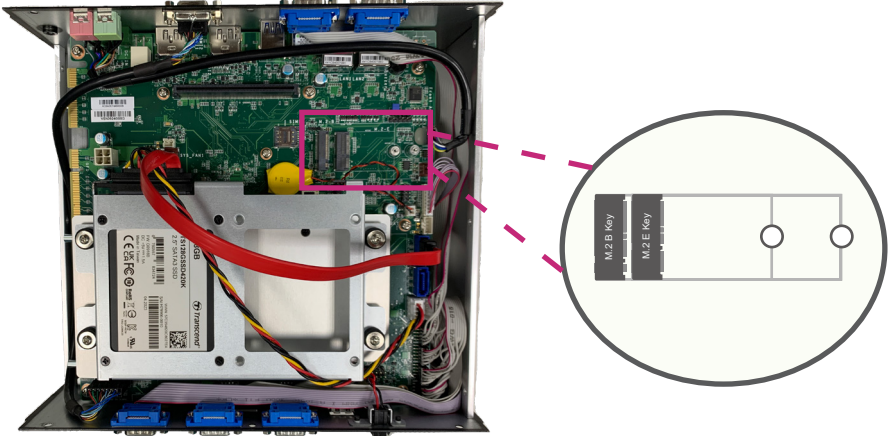
### Step 2:

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.



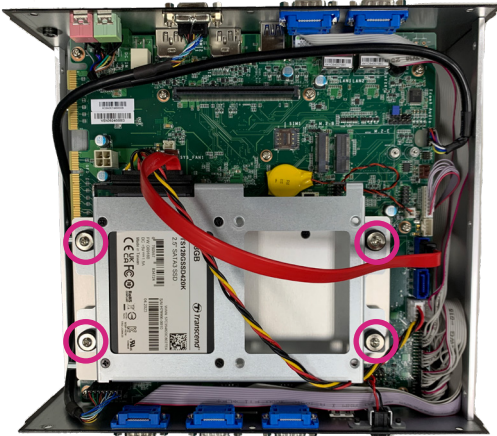
## Installing an M.2 Card

### M.2 Modules: M.2 B Key & M.2 E Key

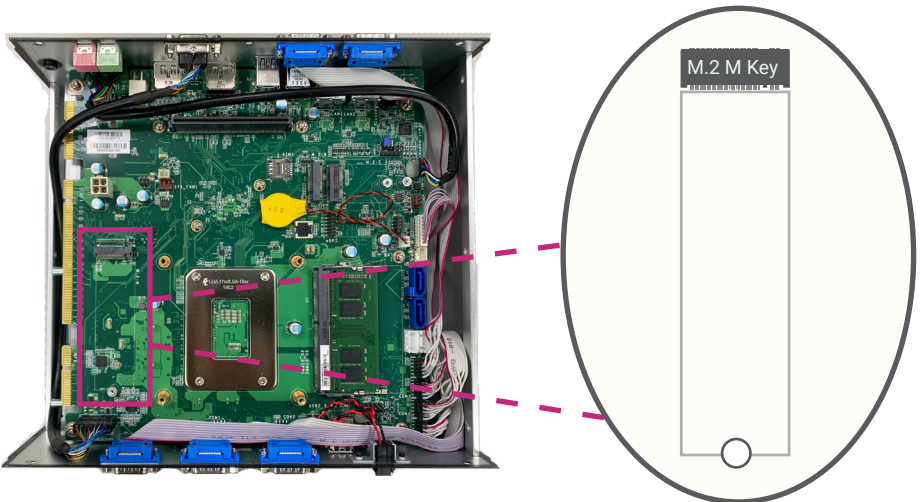


### M.2 Module: M.2 M Key

Remove four screws and put them in a safe place for later use.  
After removing the screws, gently pull the SSD slot out of the system.



Remove four mounting screws and put them in a safe place for later use.  
Disassemble the heat dissipation plate to access the M.2 M Key.

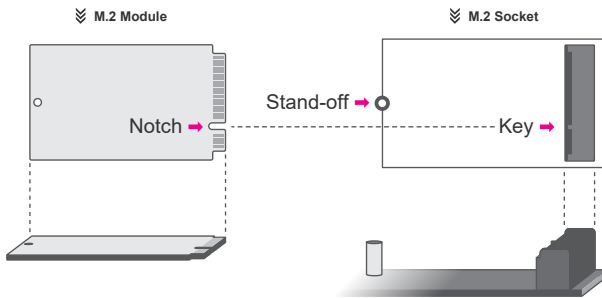




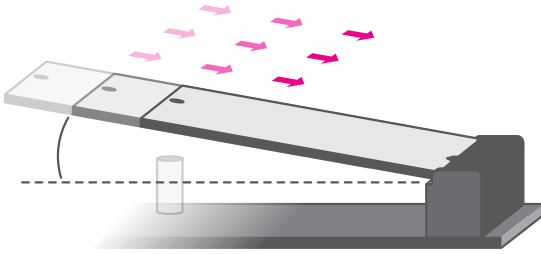
## Installing the M.2 Module

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

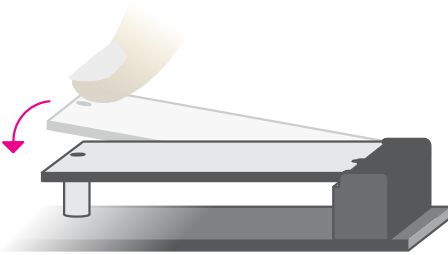
1. Make sure the PC and all other peripheral devices connected to it has been powered down.
2. Disconnect all power cords and cables.
3. Locate the M.2 socket on the system board
4. Make sure the notch on card is aligned to the key on the socket.
5. Make sure the standoff screw is removed from the standoff.



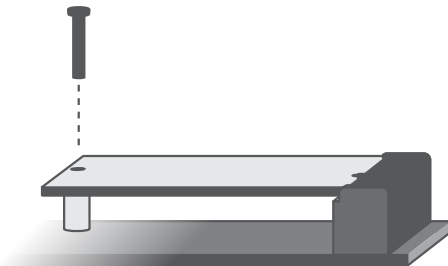
Please follow the steps below to install the card into the socket.



**Step 1:**  
Insert the card into the socket at an angle while making sure the notch and key are perfectly aligned.

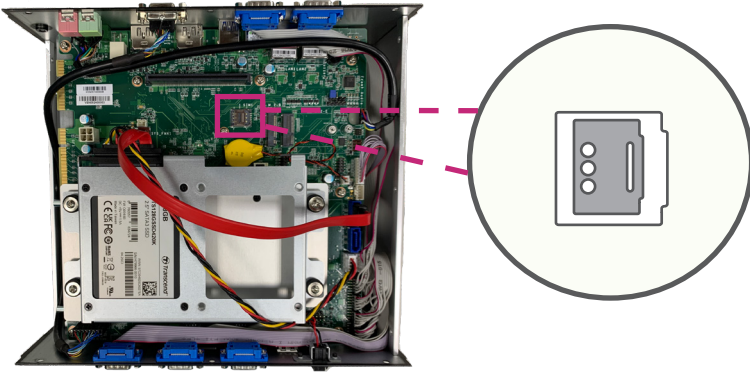


**Step 2:**  
Press the end of the card far from the socket down until against the stand-off.



**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.

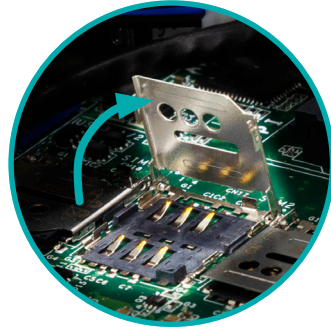
## Installing Micro SIM Card



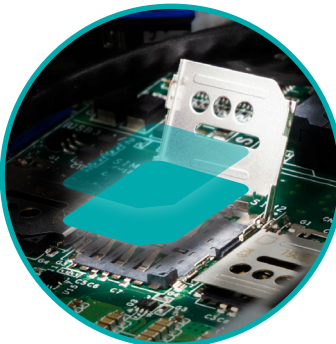
**Step 1:**  
Slide the cover to unlock.



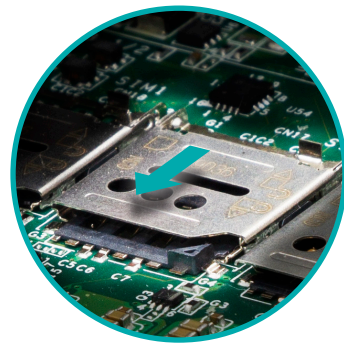
**Step 2:**  
Lift the cover.



**Step 3:**  
Orient the SIM card and place it into the socket.



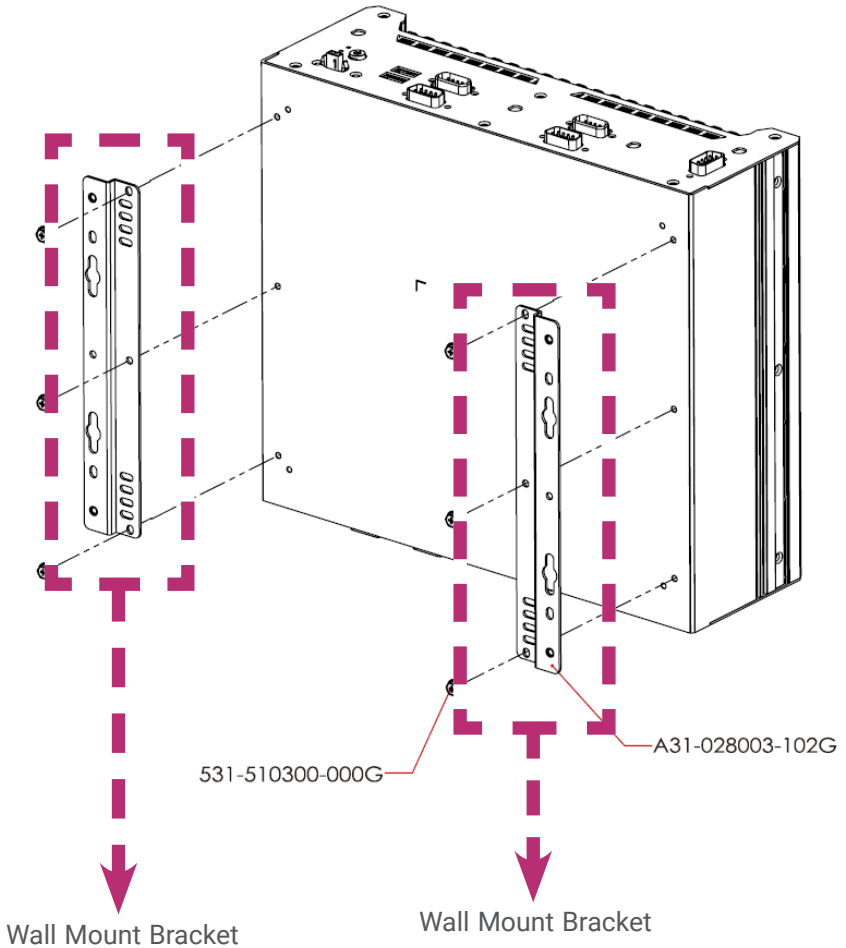
**Step 4:**  
Close the cover and slide the cover to lock.

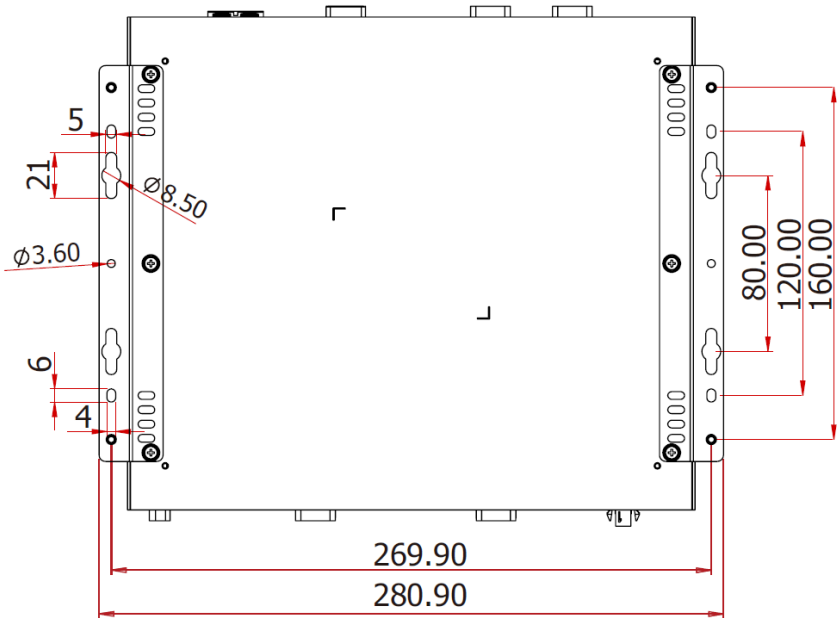


# Mounting Option

## Wall Mount

The wall mount kit containing two mounting brackets can be attached to the bottom of the system for mounting onto desired locations, such as walls, stands, or shelves. Locate the mounting holes on the bottom of the system as shown in the photo. Screw on the two brackets onto the system with six screws 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.

