Quick Installation Guide

EC633-RPS & EC633D-RPS

Modular-Designed Embedded System

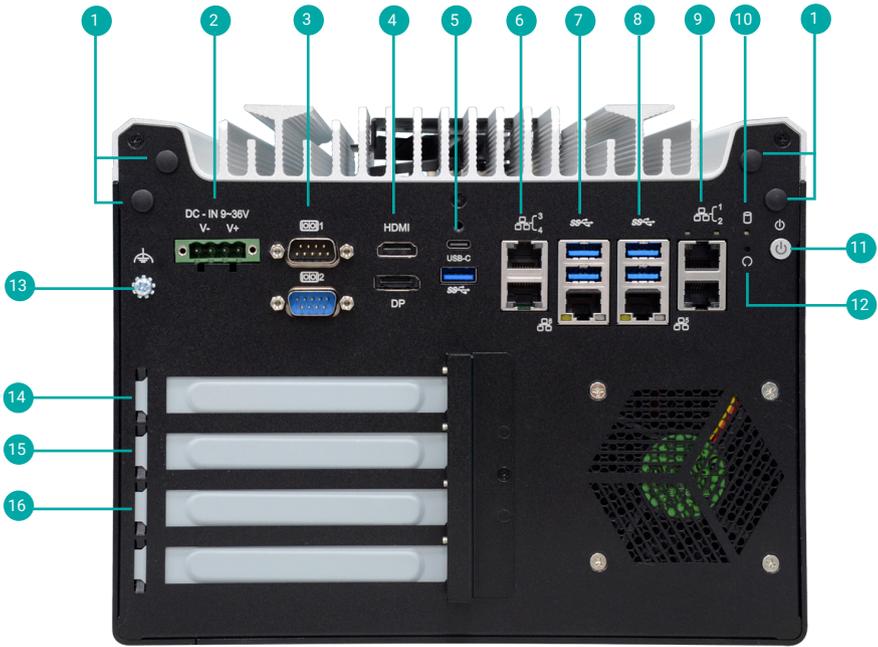www.dfi.com

Model Name : EC633-RPS

Model Name : EC633D-RPS

Package Contents

• 1 EC633-RPS/EC633D-RPS system unit
• 1 M.2 & miniPCIe slot screws set
• 1 Terminal block 4 pole for DC input
• 1 Cable with 4 wire stripped and tinned to mini-DIMM

Product Overview

Front View - EC633-RPS

1	Antenna Holes	7	▲USB3.2 ▼LAN6	13	Grounding
2	DC-in	8	▲USB3.2 ▼LAN5	14	1 x PCIe x8 slot (x4 signal)
3	▲COM1 ▼COM2	9	▲LAN1 ▼LAN2	15	1 x PCIe x8 slot (x8 signal)
4	▲HDMI ▼DP	10	HDD LED	16	1 x PCIe x16 slot (x8 signal)
5	▲USB Type-C ▼USB3.2	11	Power Button		
6	▲LAN3 ▼LAN4	12	Reset Button		

Rear View - EC633-RPS
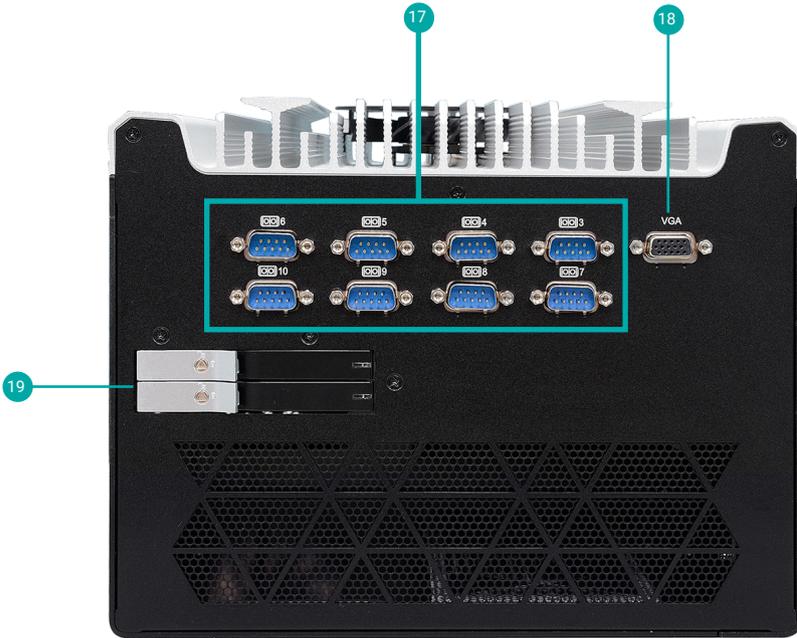
17	COM3~COM10
18	VGA
19	Storage Driver Bay

Front View - EC633D-RPS

1	Antenna Holes	7	▲USB3.2 ▼LAN6	13	Grounding

1	Antenna Holes	7	▲USB3.2 ▼LAN6	13	Grounding
2	DC-in	8	▲USB3.2 ▼LAN5	14	12V power input (for GPU card)
3	▲COM1 ▼COM2	9	▲LAN1 ▼LAN2	15	1 x PCIe x8 slot (x4 signal)
4	▲HDMI ▼DP	10	HDD LED	16	1 x PCIe x8 slot (x8 signal)
5	▲USB Type-C ▼USB3.2	11	Power Button	17	1 x PCIe x16 slot (x8 signal)
6	▲LAN3 ▼LAN4	12	Reset Button		

Rear View - EC633D-RPS

18	COM3~COM10
19	VGA
20	Storage Driver Bay

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.
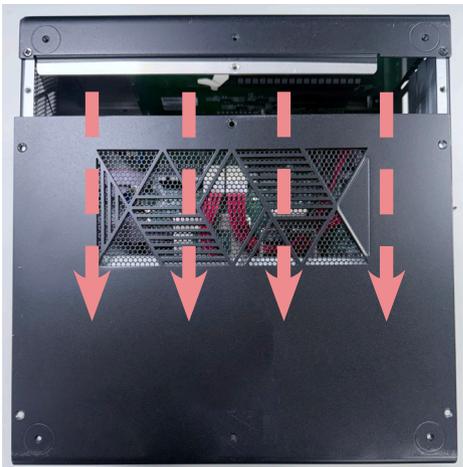
2. Disconnect all power cords and cables.

Step 1:
The 8 screws 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.

Step 2:
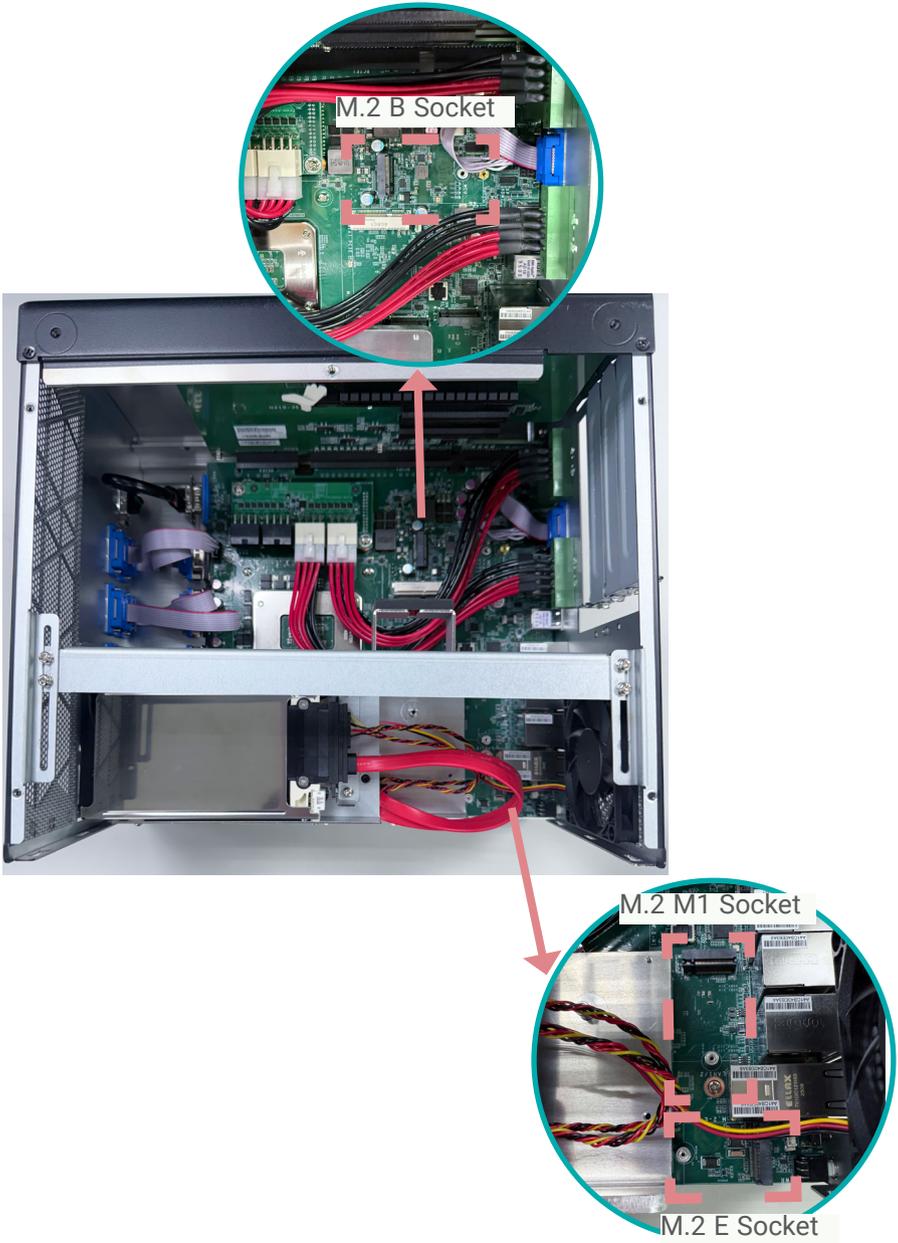Slide the cover backwards as shown in the image to open the system.

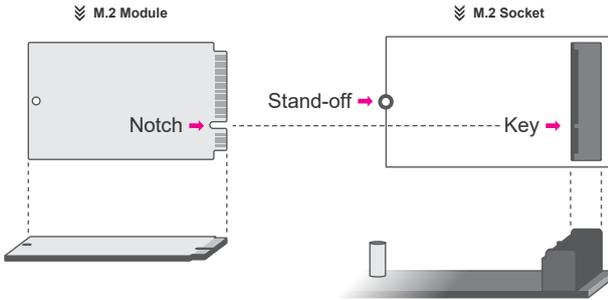The boards can be easily accessed after the chassis cover is removed.

Inserting a M.2 Card

M.2 B Socket

M.2 M1 Socket

M.2 E Socket

Please follow the steps below to install the card into the socket.
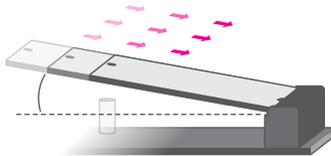
Insert the card into the socket at an angle while making sure the notch and key are perfectly aligned.

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

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.

Inserting a HDD/SDD

Before inserting a HDD/SDD, please turn off the system first.
Use the following procedure to install a SATA HDD or SSD to the system:

Step 1:

The 2.5" HDD/SDD slots on the rear side of the system.
Find the keyslot. Insert the key included in box to unlock it.

Important:

Excessive force may damage its mechanical parts.

If the HDD/SSD is inserted backward into the slot, forcing the device may damage the slot.

Step 2:

Pull the silver latch to open the slot.

Step 3:

Slide the drive into the slot until the drive is fully seated.
Close the drive latch to lock the drive in place.
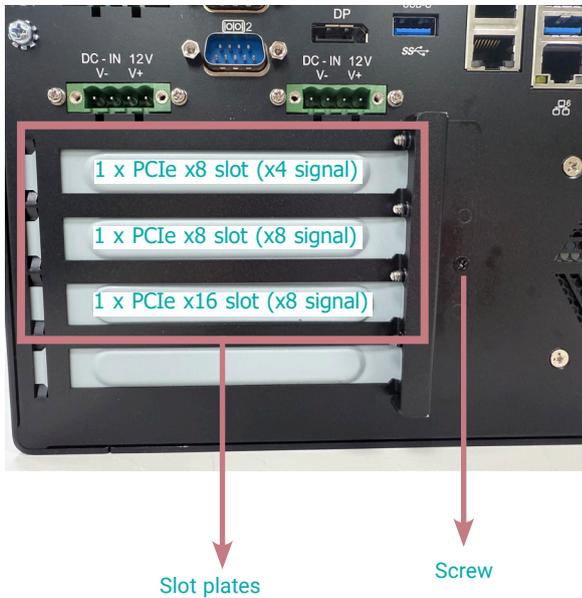
Installing a PCIe Expansion Card

Please observe the following guidelines and follow the instructions to open the system.
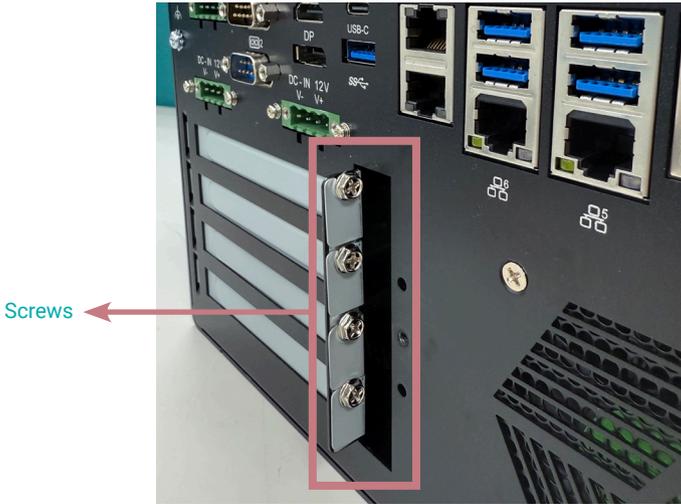
1. Make sure the system and all other peripheral devices connected to it have been powered off.

2. Disconnect all power cords and cables.

Step 1:

PCI and PCIe slots on the system are used to install expansion cards.
To install an expansion card, please first remove the screw of the bracket and then remove the screws to disassemble the slot plates.

1 x PCIe x8 slot (x4 signal)

1 x PCIe x8 slot (x8 signal)

1 x PCIe x16 slot (x8 signal)

Slot plates

Screw

Screws

Step 2:

To install an expansion card into the slot, align a 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.

Step 3:

Make sure the power connector is connected to the both motherboard and an expansion card. Reassemble a slot plate and lock the bracket with a screw.

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.
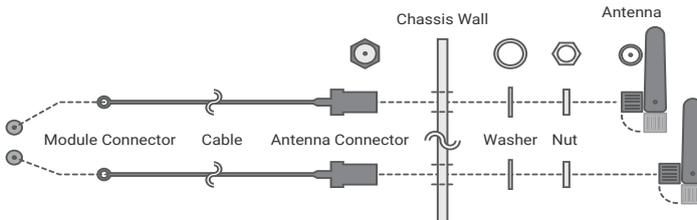
⦿ Mounting Options

▶ 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 tightly as illustrated below.

EC633-RPS
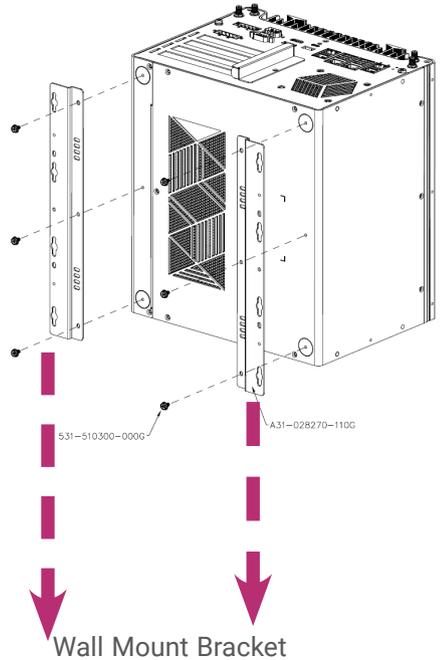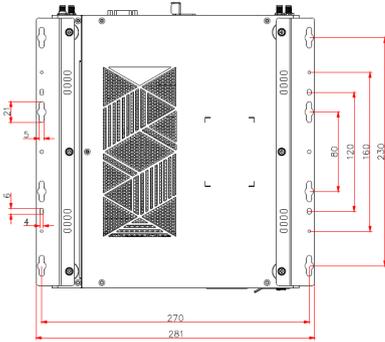
Wall Mount Bracket

EC633D-RPS
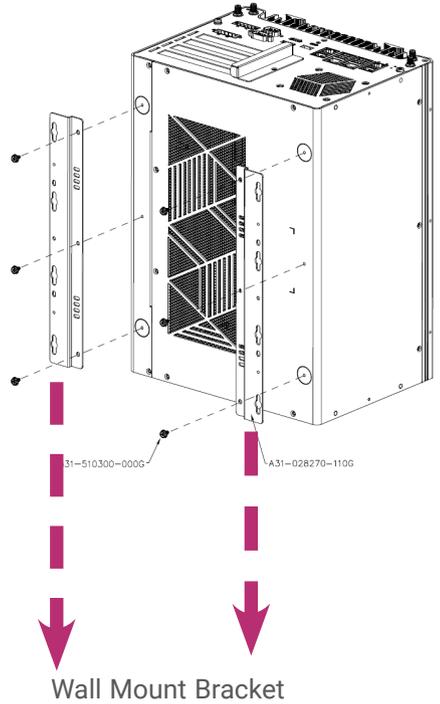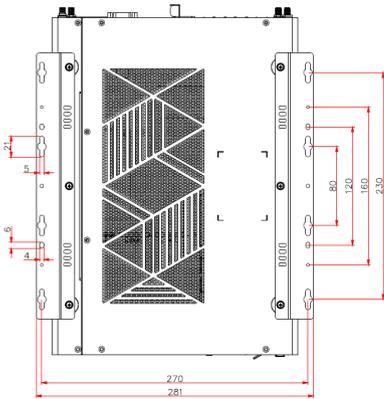
Wall Mount Bracket

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, or via the QR codes to the right.