

# EC900-QCS

## Ultra Small Size Embedded System

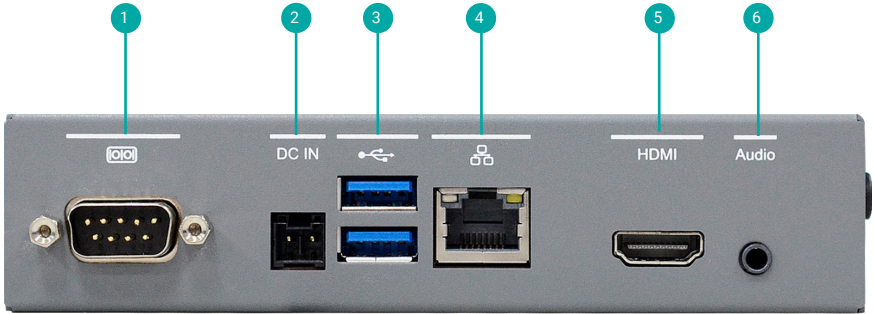


### Package Contents

- 1 EC900-QCS System Unit

# Product Overview

## Front View



1 1 x COM (RS232)

2 2-pin Power Jack

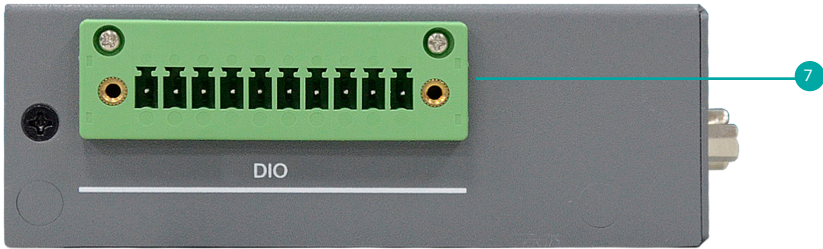
3 2 x USB 3.1 Gen1 Type A

4 1 x GbE (RJ-45)

5 1 x HDMI

6 Audio

## Left View



## Right View



7 1 x DIO

8 5 x Antenna Holes

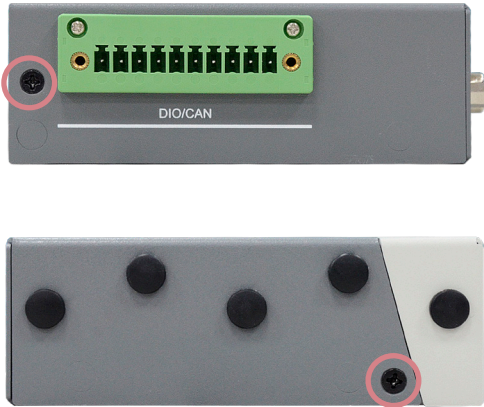
## Removing the Chassis Cover

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:

Using a suitable screwdriver, remove the screws located on both sides of the system, as shown in the figure. Keep the removed screws in a safe place for reassembly.

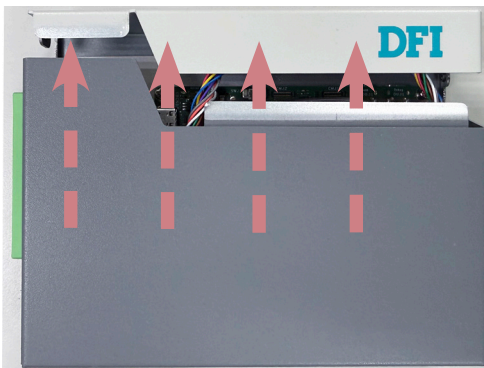


### Step 2:

Slide the top cover upward along the guide rails to open the enclosure.

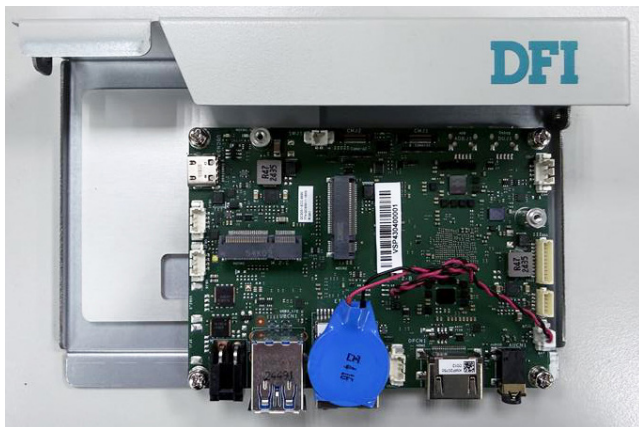
Do not pull the top and bottom covers apart completely. The covers remain connected by internal cables attached to the PCB.

Carefully open the system to a position that allows access to the internal components without straining the cables.



### Step 3:

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



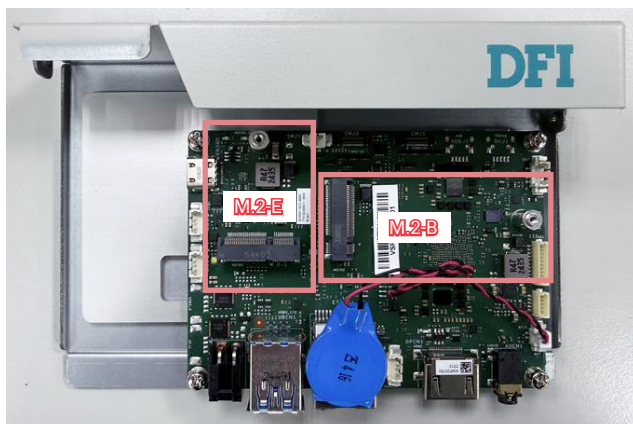
## Installing an M.2 Card

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.

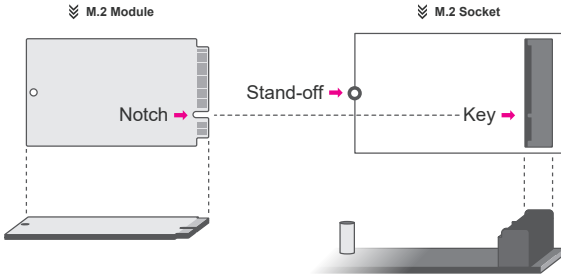
### Step 1:

M.2 card slots can be easily accessed after the chassis cover is removed. Please follow the steps below to install the card into the socket.



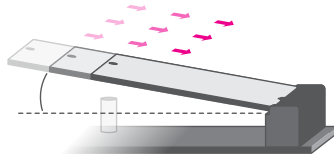
**Step 2:**

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.



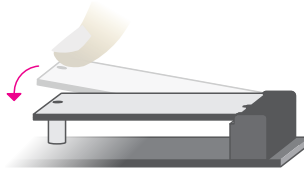
**Step 3:**

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



**Step 4:**

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.

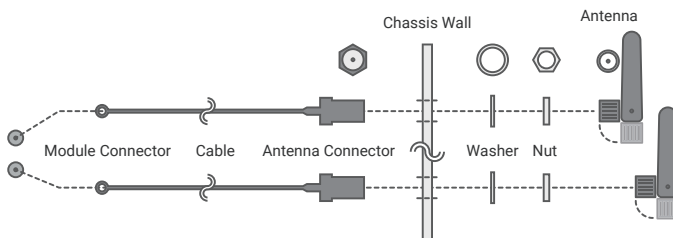
### Step 1:

There are antenna holes reserved on the 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.



## DIN Rail Mount

The system features DIN-rail mount chassis that facilitates fast installation of the EC900-QCS to a DIN rail.

The DIN Rail mount kit includes the following:

- Din-rail mount bracket
- 2 screws

### Step 1:

Attach the DIN-Rail Mounting Bracket

Place the system on a flat surface with the top side facing upward.

Align the DIN-rail mounting bracket with the mounting holes on the top side of the system.

Insert the provided mounting screws through the bracket into the system.

Using a screwdriver, tighten the screws securely to fix the bracket in place.

Ensure the bracket is firmly attached and does not move.

### Step 2:

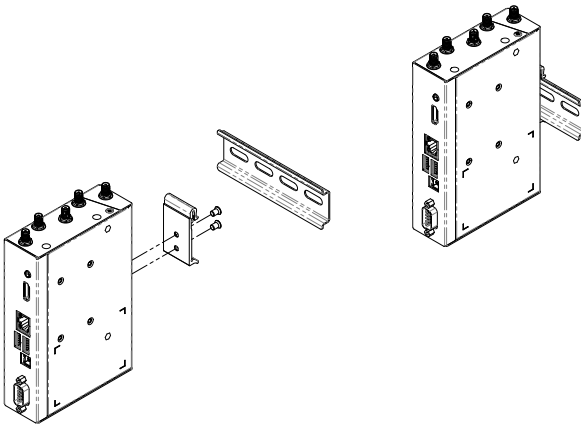
Mount the System onto the DIN Rail

Hold the system with both hands and position the DIN-rail bracket against the DIN rail.

Hook the upper edge of the mounting bracket onto the top side of the DIN rail.

Push the lower part of the system inward until the bracket snaps or locks onto the rail.

Gently pull the system to confirm that it is securely mounted and properly seated on the DIN rail.



#### CAUTION:

1. Ensure the system is firmly locked onto the DIN rail before releasing it.
2. Improper installation may cause the system to fall or become unstable.



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.

