Quick Installation Guide

HB368F21-XXXX-S / HB368F21-XXXX-I

HB368F21-XXXX-W

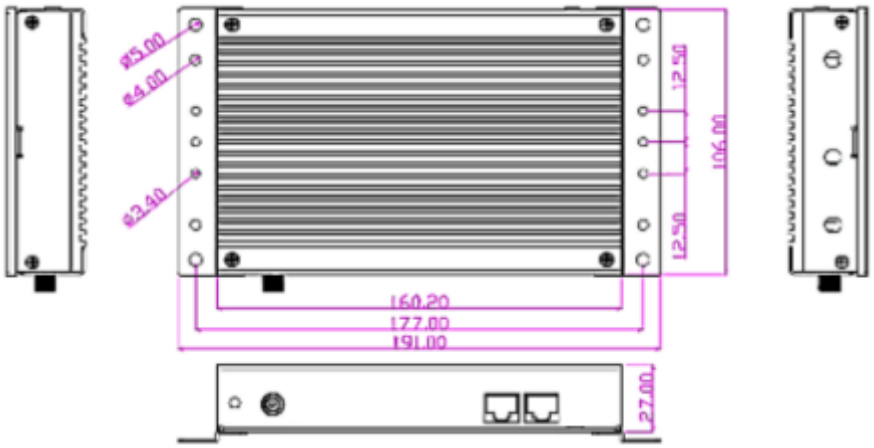
NO. G03-368_MF21QIG-F
Rev: 3.0
Release Date: **2023-05-16**

Notice:

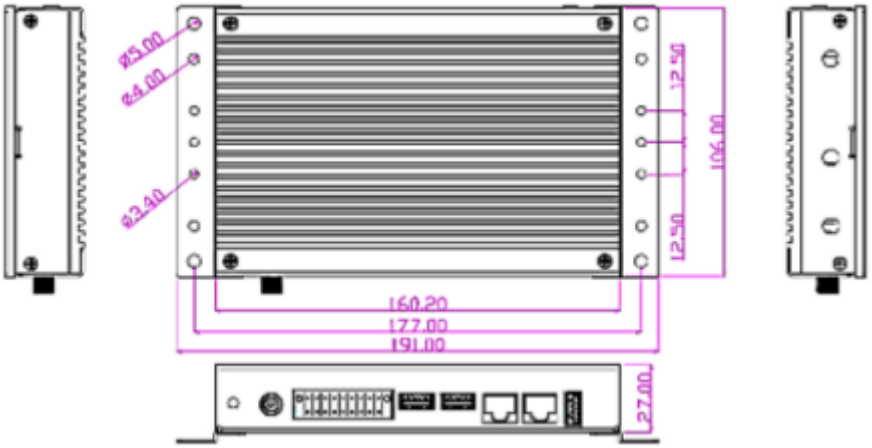
The photos in this file are for illustration purpose only. The model may not be the latest version. Please refer to the product you purchased for actual specification.

***Note**: The color of the product is subject to the actual product.*

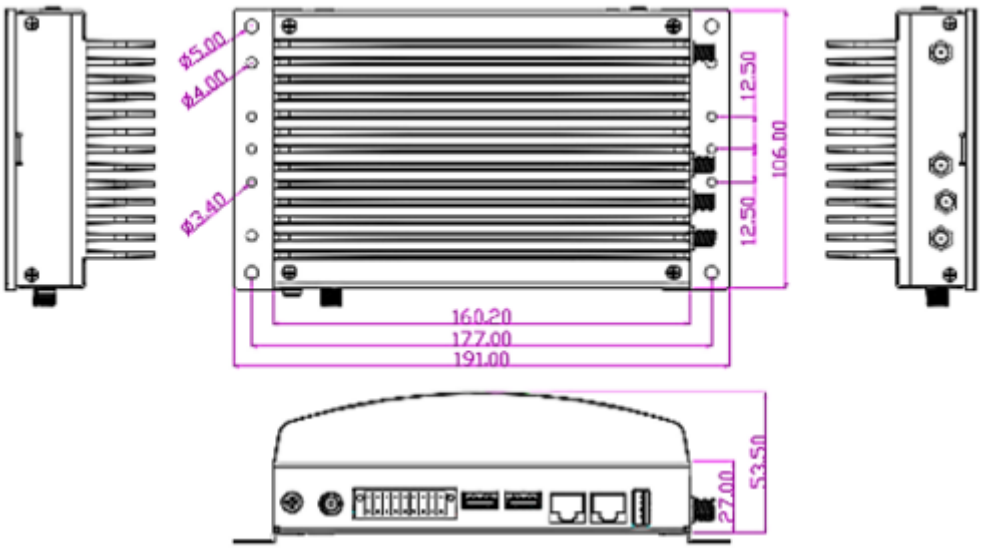
I. Mechanical Drawings



HB368F21-XXXX-S



HB368F21-XXXX-I

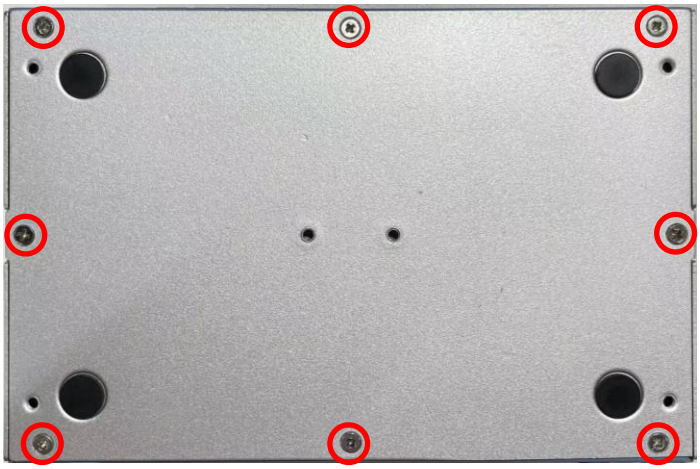


HB368F21-XXXX-W

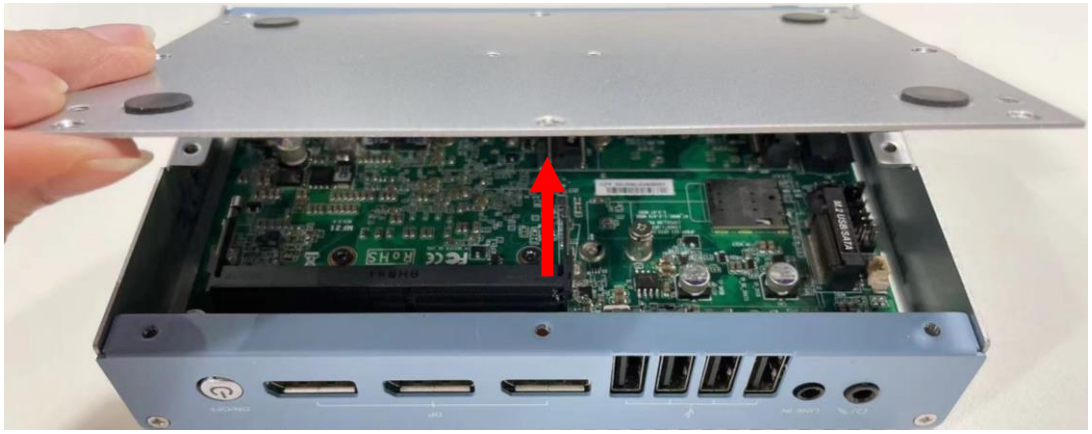
***Note:** This file servers as general installation guide with HB368F21-XXXX-S product photos as installation illustration. If there are differences in specifications, please refer to the product you purchased for actual specification.

II. To Dissemble the Chassis

1. Put the system upon a stable platform with this side up, as the photo shows.



2. Locate the screws at the spots marked on the cover and unscrew them one by one.

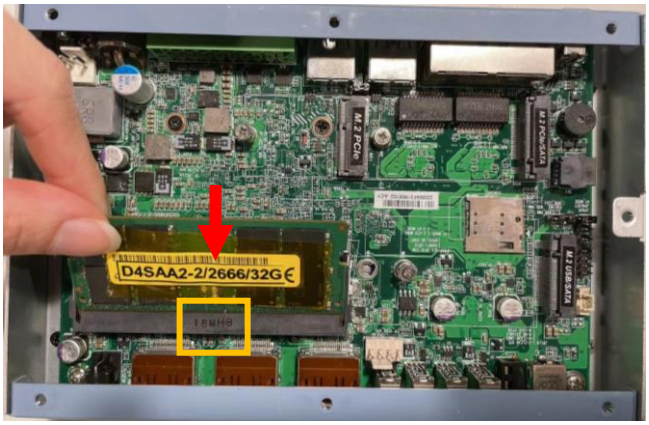


3. Lift the cover up to open the chassis.

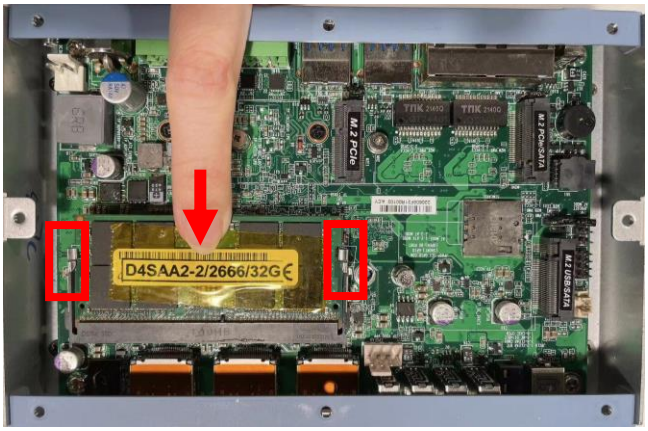
4. The internal structural view of the system for further intallation.

III. To Install SO-DIMM to the Board

1. Locate the SO-DIMM slot on the board.

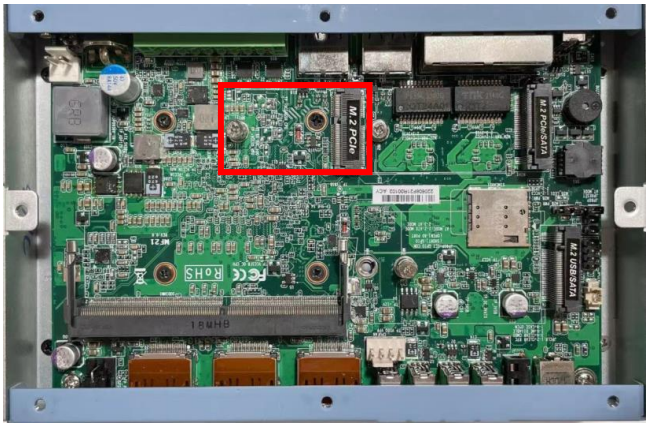


2. Insert the gold-finger side of the compatible SO-DIMM into the slot at a 30 degree.

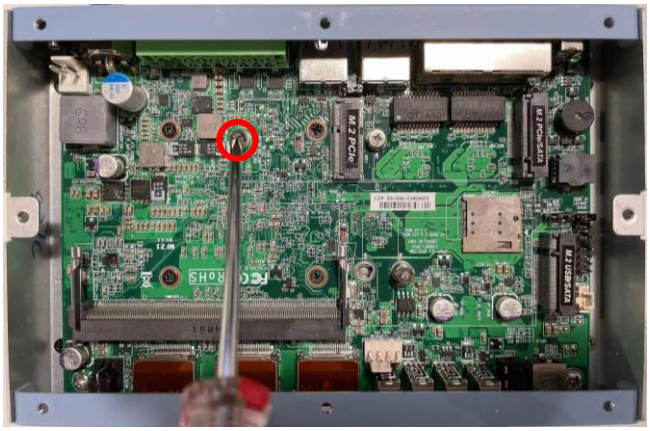


3. Press down to secure the SO-DIMM to the slot. The eject tabs will lock automatically if installing direction is correct.

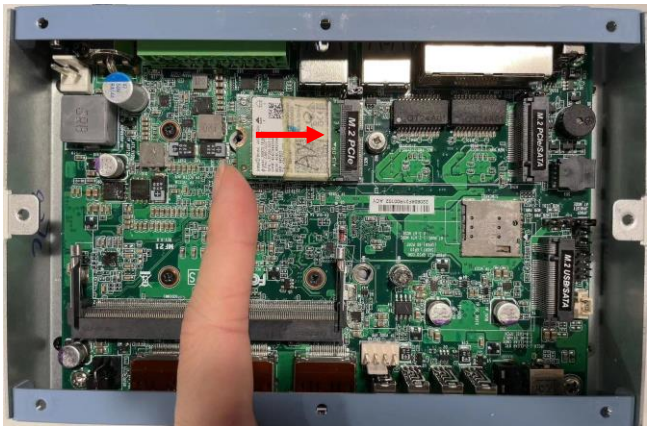
IV. To Install M.2 E-Key (2230) PCIe Wi-Fi Card



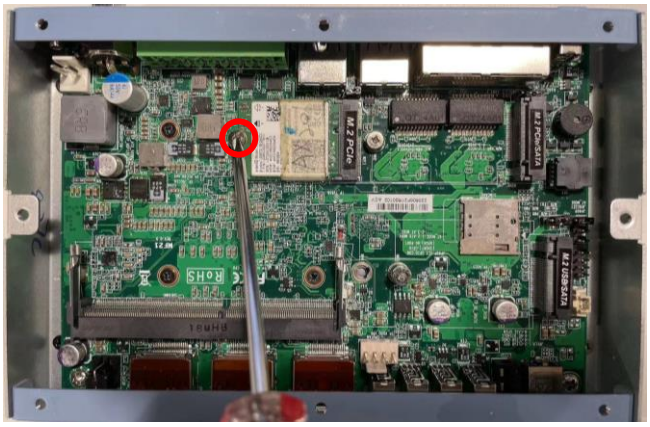
1. Locate the M.2 E-Key (2230) slot on the board. Prepare compatible M.2 E-Key (2230) card.



2. Remove the marked both screw and screw bolt, and use screw bolt to lock compatible card to the slot in later installation.



3. Insert the gold-finger side of the compatible card into the slot and press down. See to it that the golden-finger side should be fully plugged into the slot.



4. Secure the card to the board by tightening up the screw and screw bolt to the marked spot.

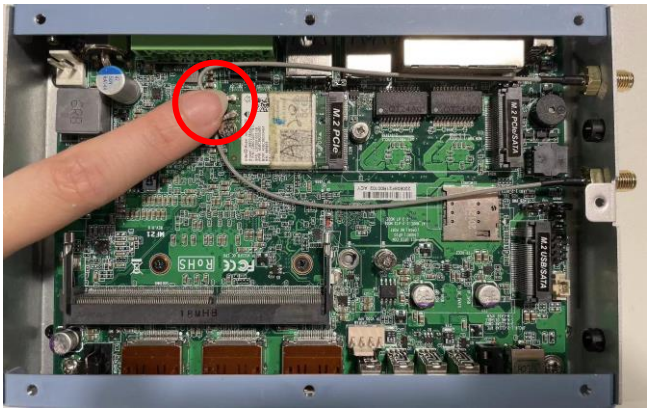
5. Locate the reserved antenna holes on the side panel. Remove the dust-proof plugs on the marked spots from the panel to install the antenna.

6. Push this antenna screw head into antenna hole of the panel from the backside of the panel.

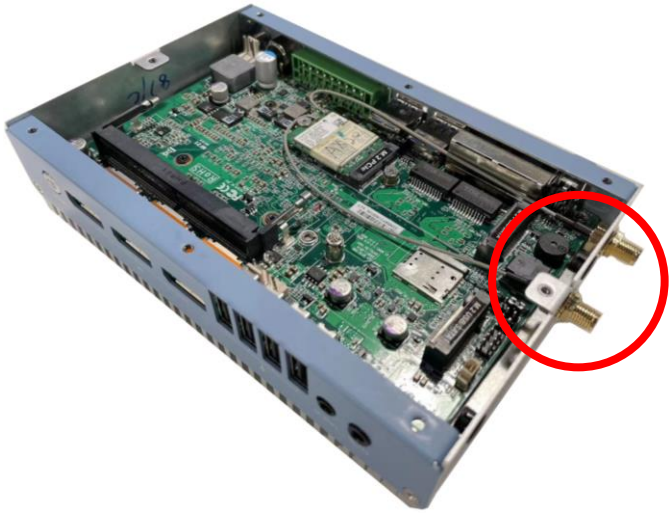
6-1 The washer①&the hexagonal screw nut②
6-2 Push the washer① through the antenna head.

7. And then lock the antenna screw head to the front side of the panel with the hexagonal screw nut ② and tighten it up.

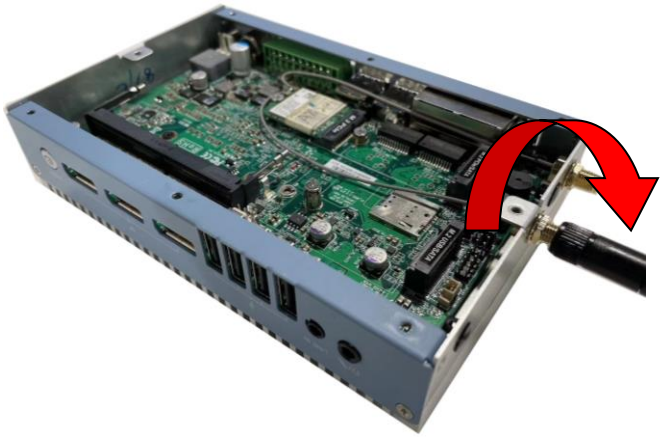
8. Press the metal hat on the end of the antenna string to corresponding antenna slot on the card as showed.



9. Repeat step 6 to 8, to finish installation of the other antenna.

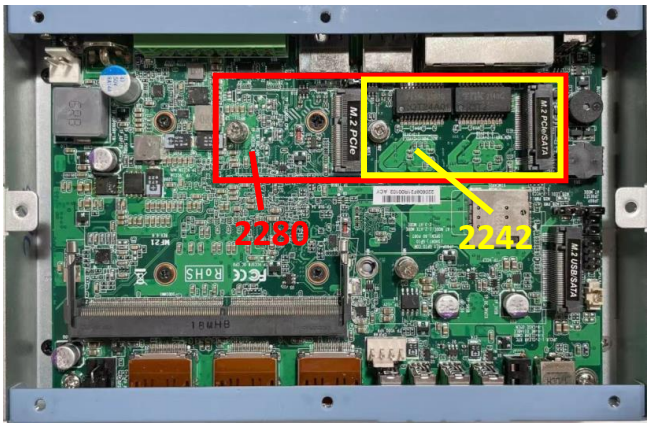


10. The side panel with antenna screw heads installed.

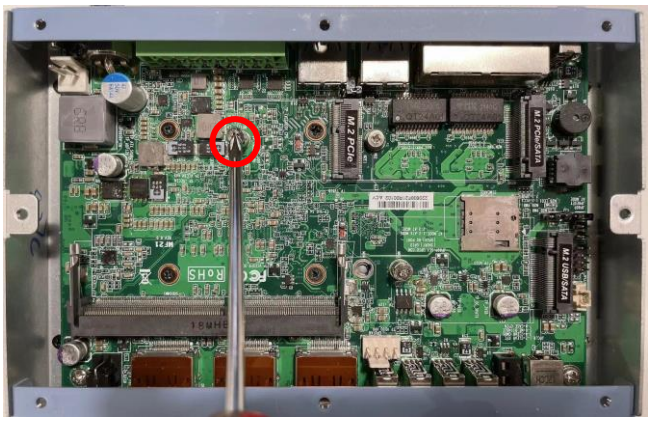


11. Connect the external Wi-Fi receiver antenna to the antenna screw head on the panel.

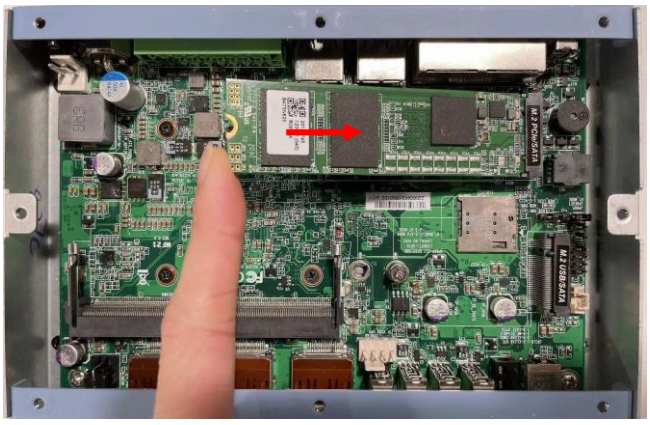
V. <u>To Install M.2 M-Key (2242/2280) PCIe/SATA Card</u>



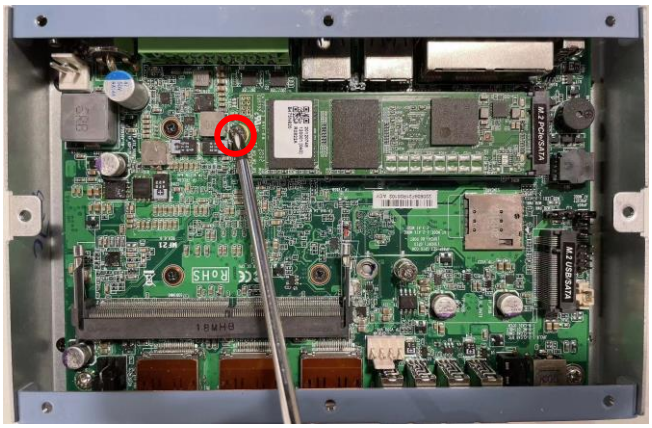
1. Locate the M.2 SATA slot on the board. System supports two types of M.2 M-Key card in different lengths (2242/2280). Prepare compatible M.2 M-Key (2242/2280) card.



2. To install compatible type-2280 card, please remove the screw in the marked spot at first.



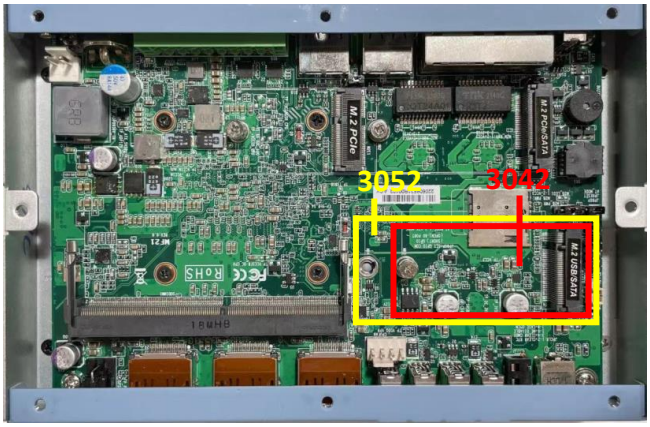
3. Insert compatible M.2 M-Key (type-2280) card into the slot. See to it that the golden-finger side should be fully plugged into the slot.



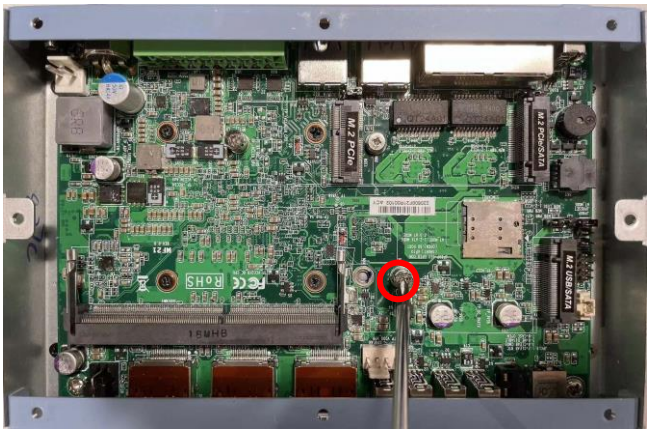
4. Tighten up the screw removed before to the marked spot to secure the card.

***Note:** If you wish to install type-2242 card, please remove the screw on location MH2 before installing 4.2 cm card to the slot. The other steps are the same.

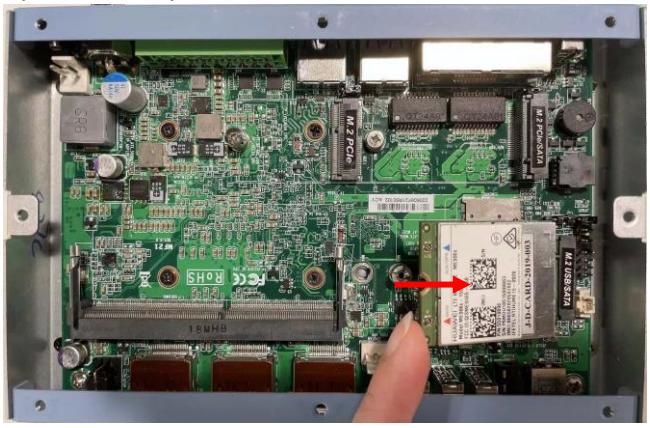
VI. To Install M.2 B-Key (3042/3052) Card



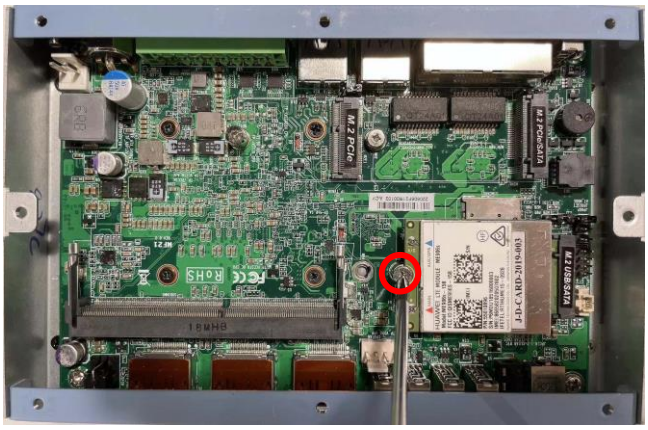
1. Locate the M.2 B-Key PCIe (3042/3052) slot on the board. Prepare compatible M.2 B-Key (3042/3052) card.



2. Remove the marked screw and use it to lock compatible card to the slot in later installation.



3. Insert the gold-finger side of the compatible M.2 B-Key (type-3042) card into the slot and press down. See to it that the golden-finger side should be fully plugged into the slot.

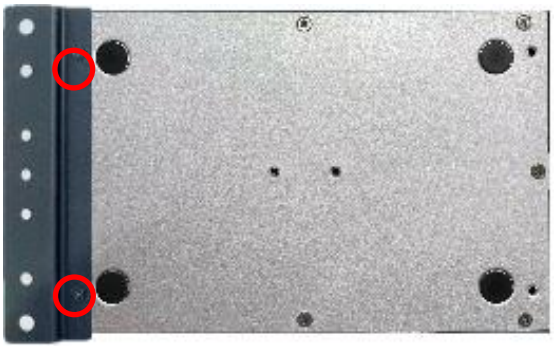


4. Secure the card to the board by tightening up the screw to the marked spot.

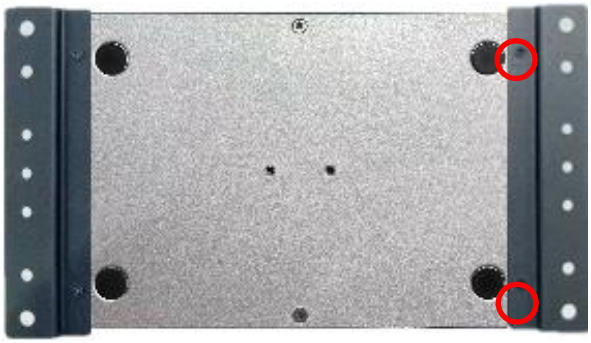
***Note:** the screw post and nut fixed at location MH3 by default for M.2 B-key type-3042 card installation. If you wish to install M.2 B-key type-3052 card, please remove the installed M.2 B-key type-3042 card and reinstall the screw post underneath on the location MH4 before installing M.2 B-key type-3052card to the slot. The other steps are the same as M.2 B-key type-3042 card installation.*

***Notice:** When all necessary installations are finished, please make sure that all cables unplugged before installations are connected to their original locations before restoring the cover to the chassis and screws on the cover locked to its original locations **(Refer to Part I)**. See to it that the cables inside are not blocked or pressed.*

VII. To Install wall mount racks to the system

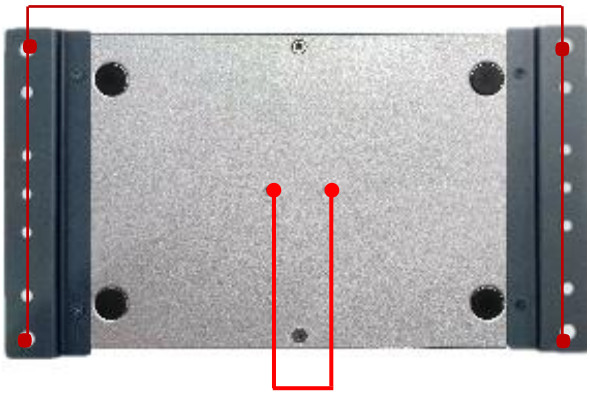


1. Install wall mount rack to the system by tightening two screws in the marked positions.



2. Then lock the other two screws on the other side in the same way.

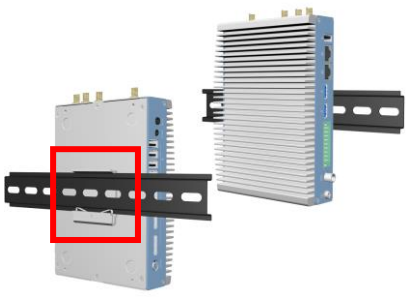
Wall Mount Screw Holes

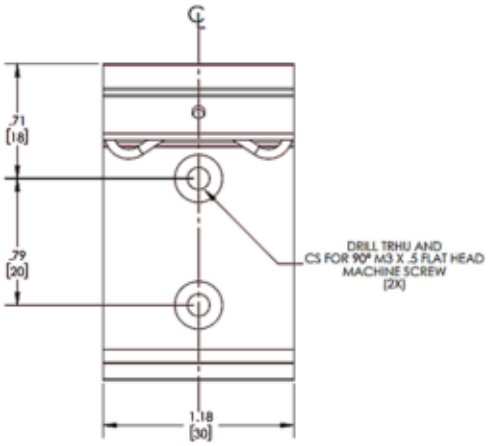


For DIN Rail Installation

3. Wall mount the system by tightening 4 screws in the marked positions on both sides of the wall racks.

***Note:** The 2 smaller holes in middle of the chassis cover are reserved for DIN rail installation. The specifications on the right are recommended specifications. Please refer to the picture below.





Regulatory Compliance:

Declaimer

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Declaration of Conformity

FCC Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at user's own expense.

Note: *1.Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 2. Shielded interface cables must be used in order to comply with the emission limits.*

CE Notice

The product described in this QIG complies with all applicable European Union (CE) directives if it has a CE marking. For computer systems to remain CE compliant, only CE-compliant parts may be used. Maintaining CE compliance also requires proper cable and cabling techniques.