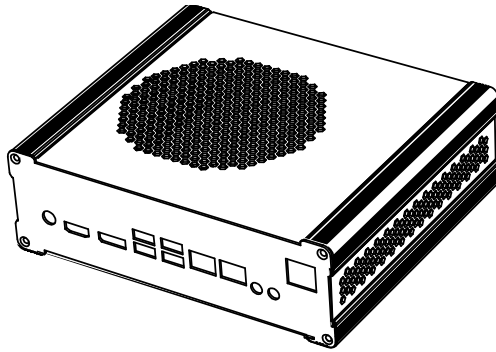


# BRICK Series

Chassis for KINO/NANO/WAFER SBC

## Quick Installation Guide

Version 1.00



### Packing List

- 1 x BRICK series chassis
- 4 x SBC retention screws (round head, M3\*6)
- 4 x HDD retention screws (pan head, M3\*4)
- 1 x Power button with cable
- 1 x Power jack with cable (BRICK-NANO and BRICK-WAFER series only)
- D-Sub hex-head screws for securing front I/O ports (numbers of screw differ by model)

## Safety Instructions

**Warning!** Read this installation guide before connecting the system to the power source.

**Warning!** To prevent the device from overheating, do not operate it in an area that exceeds the maximum operating temperature described in the user manual came with the SBC.

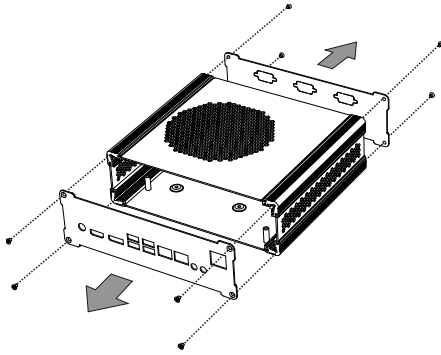
**Warning!** Ultimate disposal of this product should be handled according to all national laws and regulations.

## Chassis Disassembling Procedure

To disassemble the chassis, follow the steps below:

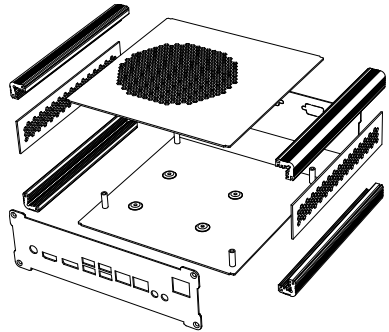
### Step 1: Remove the retention screws from the front and the rear panels.

Remove 8 flat-head screws (M3\*6, black) from the front panel and the rear panel, four on each side.

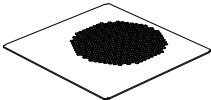
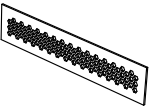
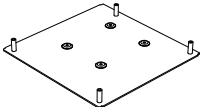

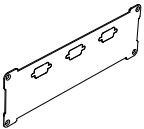
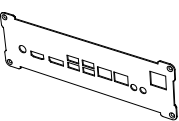


### Step 2: Disassemble the chassis components.

After removing the 8 screws, the chassis can be taken apart. Save all the components and screws properly for latter installation.



The chassis components include the followings:

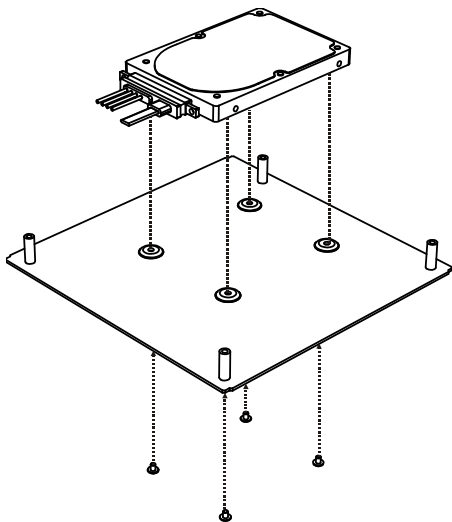
1 x Top panel		2 x Side panels	
1 x Bottom panel		4 x Edge bars	
1 x Front panel		1 x Rear panel	

## Installation Procedure

To install SBC and HDD into the chassis, follow the steps below:

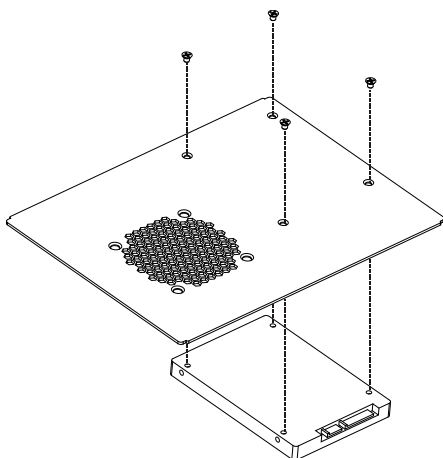
### For BRICK-KINO Series

**Step 1: (Optional) Install a 2.5" HDD inside the bottom panel.** Place an HDD on the bottom panel, and secure it with four screws (pan head, M3\*4) from the outer (black) side. Connect a SATA cable to the rear of the HDD.



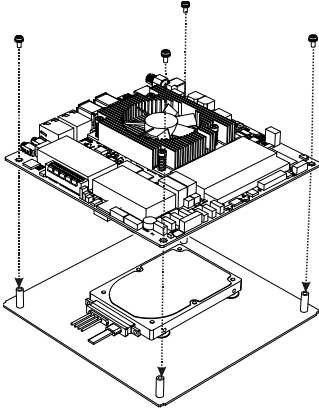
### For BRICK-NANO/WAFER Series

**Step 1: (Optional) Install a 2.5" HDD inside the top panel.** Place an HDD on the top panel, and secure it with four screws (pan head, M3\*4) from the outer (black) side. Connect a SATA cable to the rear of the HDD.



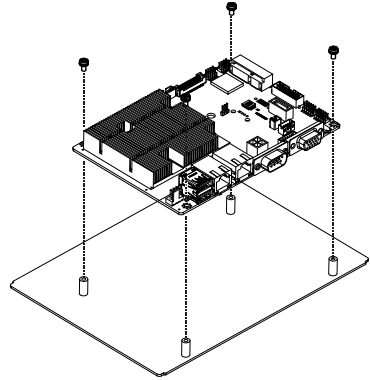
## For BRICK-KINO Series

**Step 2: Install a KINO SBC.** Align the screw holes on the SBC with the standoffs on the bottom panel. Secure the SBC with four screws (round head, M3\*6). Connect the other end of the SATA cable to the SATA connector and the SATA power connector on the SBC.

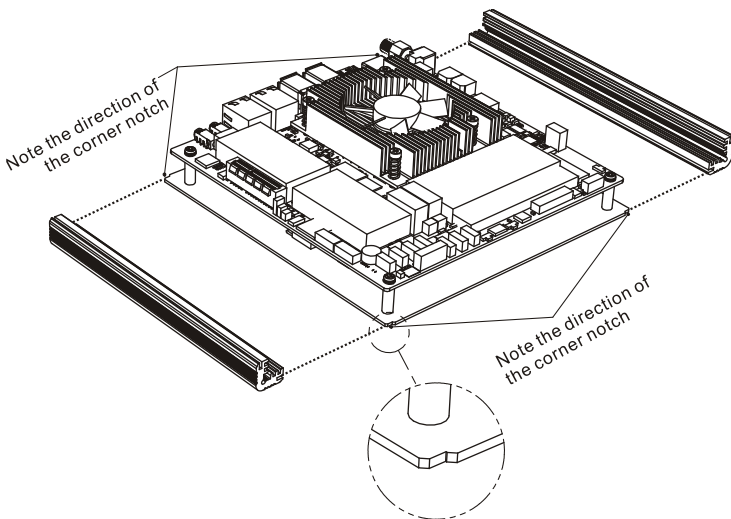


## For BRICK-NANO/WAFER Series

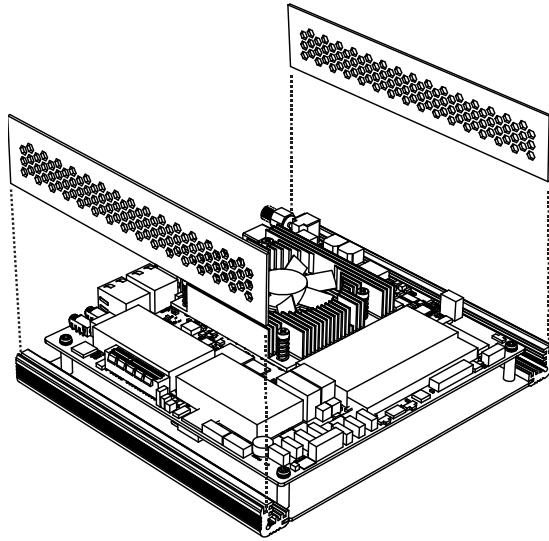
**Step 2: Install a NANO/WAFER SBC.** Align the screw holes on the SBC with the standoffs on the bottom panel. Secure the SBC with four screws (round head, M3\*6).



**Step 3: Assemble two edge bars.** Orient the bottom panel, and note the direction of the corner notches as shown below. Align the slot of the edge bar with the edge of the bottom panel, and assemble the edge bar to the side of the bottom panel. The corner notches should still be visible after assembling the edge bars; if you install them wrongly, the corner notches would be covered by the edge bars.

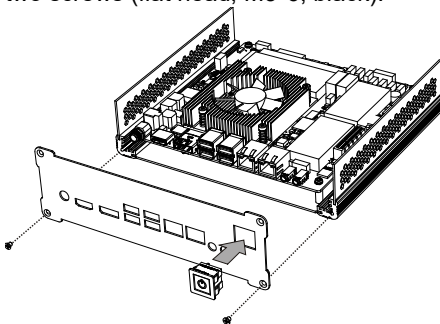


**Step 4: Assemble two side panels.** Insert a side panel into the slot of the installed edge bar, and then insert the other side panel into the other edge bar. Both side ends of the side panel should properly align with the side ends of the edge bar.



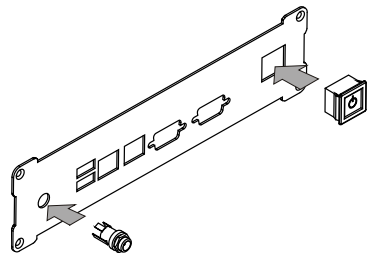
**For BRICK-KINO Series**

**Step 5: Install power button and rear panel.** Insert the power button cable into the square hole in the front panel and clip the button into place. Place the rear panel on the external I/O side of the SBC. Make sure the external I/O connectors fit into the predrilled holes on the rear panel. Secure the rear panel to the chassis with two screws (flat head, M3\*6, black).



**For BRICK-NANO/WAFER Series**

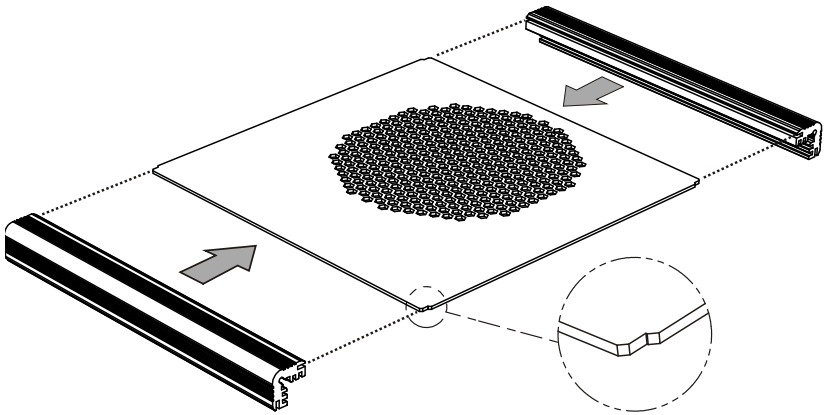
**Step 5: Install power button, power connector and rear panel.** Insert the power button cable and the power connector cable into the corresponding holes in the rear panel. Place the rear panel on the external I/O side of the SBC. Make sure the external I/O connectors fit into the predrilled holes on the rear panel. Secure the rear panel to the chassis with two screws (flat head, M3\*6, black).



**Step 6: Connect cables and additional I/O ports.** Connect the power button cable, the power LED cable and the power connector cable (BRICK-NANO/WAFER series only) to the corresponding connectors on the SBC (refer to the QIG that came with the SBC for detailed information).

If there are additional I/O connectors to be installed on the front panel, connect them to the corresponding connectors on the motherboard now.

**Step 7: Assemble edge bars to top panel.** Align the slot of the edge bar with the edge of the top panel, and assemble the edge bar to the side of the top panel. Please note the direction of the corner notches as shown below.



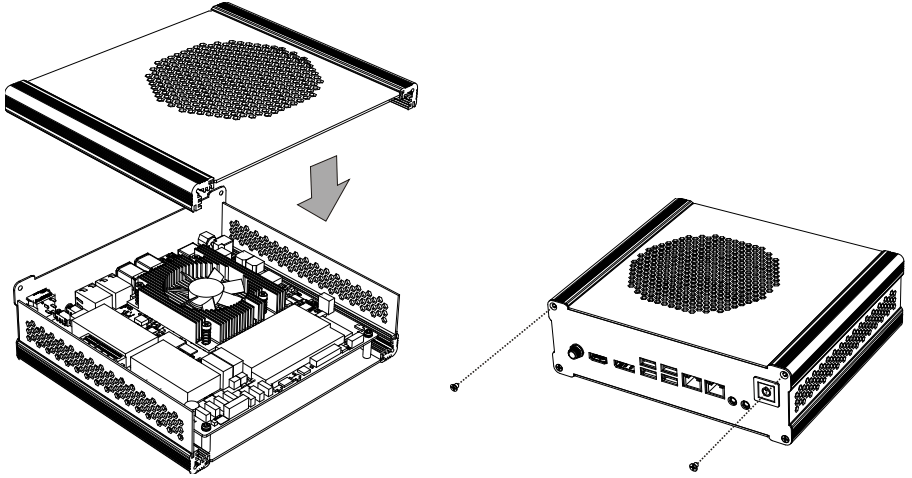
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**NOTE:**

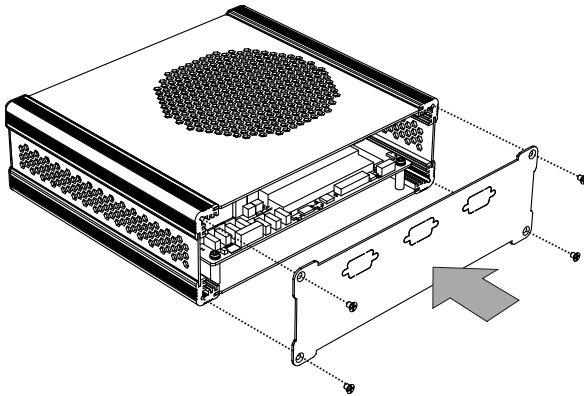
For the BRICK-NANO/WAFER series, the SATA cable from the installed HDD must be connected to the SATA connector and SATA power connector on the SBC before installing the top panel to the chassis.

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**Step 8: Install top panel to chassis.** Orient the top panel to position the ventilation vents right above the CPU heat sink. Place the top panel together with the two edge bars onto the top of chassis. Ensure both side panels fit into the slot of the edge bars. Secure the top panel to the chassis with two screws (flat head, M3\*6, black) into the rear panel.



**Step 9: Install front panel.** The front panel has several knockout holes for connecting additional ports from the SBC. Knock out the holes and install connectors if necessary. Lastly, install the front panel to the chassis with four screws (flat head, M3\*6, black).



## IEI Support URL

[https://new.ieiworld.com/en/online\\_support\\_form/index.php](https://new.ieiworld.com/en/online_support_form/index.php)

## Compliance



This equipment has been tested and found to comply with specifications for CE marking. If the user modifies and/or installs other devices in the equipment, the CE conformity declaration may no longer apply.



This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

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 his own expense.



According to the requirement of the WEEE legislation the following user information is provided to customers for all branded IEI Electronics products subject to the WEEE directive.

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

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