intel

Intel® NUC 8 Mainstream-G kit NUC8i7INH

Intel® NUC 8 Mainstream-G kit NUC8i5INH

User Guide

<April 2019>

NUC8i7INHX, NUC8i7INHP, NUC8i7INHZ, NUC8i5INHX, NUC8i7INHP
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Contents

Revision History

Date	Revision	Description
<April 2019>	1.0	Initial release.
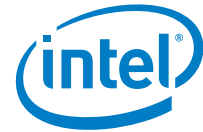
1.0   Introduction

This User Guide provides step-by-step installation instructions for these products:

- Intel® NUC 8 Mainstream-G kit NUC8i7INH
- Intel® NUC 8 Mainstream-G kit NUC8i5INH

1.1   Before You Begin

⚠ **CAUTIONS**

The steps in this guide assume you're familiar with computer terminology and with the safety practices and regulatory compliance required for using and modifying computer equipment.

Disconnect the computer from its power source and from any network before performing any of the steps described in this guide.

Failure to disconnect power, telecommunications links, or networks before you open the computer or perform any procedures can result in personal injury or equipment damage. Some circuitry on the board can continue to operate even though the front panel power button is off.

Follow these guidelines before you begin:
- Always follow the steps in each procedure in the correct order.
- Create a log to record information about your computer, such as model, serial numbers, installed options, and configuration information.
- Electrostatic discharge (ESD) can damage components. Perform the procedures described in this chapter only at an ESD workstation using an antistatic wrist strap and a conductive foam pad. If such a station isn't available, you can provide some ESD protection by wearing an antistatic wrist strap and attaching it to a metal part of the computer chassis.

1.2   Installation Precautions

When you install and test the Intel NUC, observe all warnings and cautions in the installation instructions.

To avoid injury, be careful of:
- Sharp pins on connectors
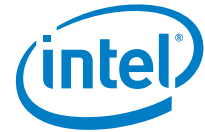
- Sharp pins on circuit boards
- Rough edges and sharp corners on the chassis
- Hot components (such as SSDs, processors, voltage regulators, and heat sinks)
- Damage to wires that could cause a short circuit

Observe all warnings and cautions that instruct you to refer computer servicing to qualified technical personnel.

1.3   Observe Safety and Regulatory Requirements

If you don't follow these instructions, you increase your safety risk and the possibility of noncompliance with regional laws and regulations.

2.0   Open the Chassis

Unscrew the four corner screws on the bottom of the chassis and lift the cover.

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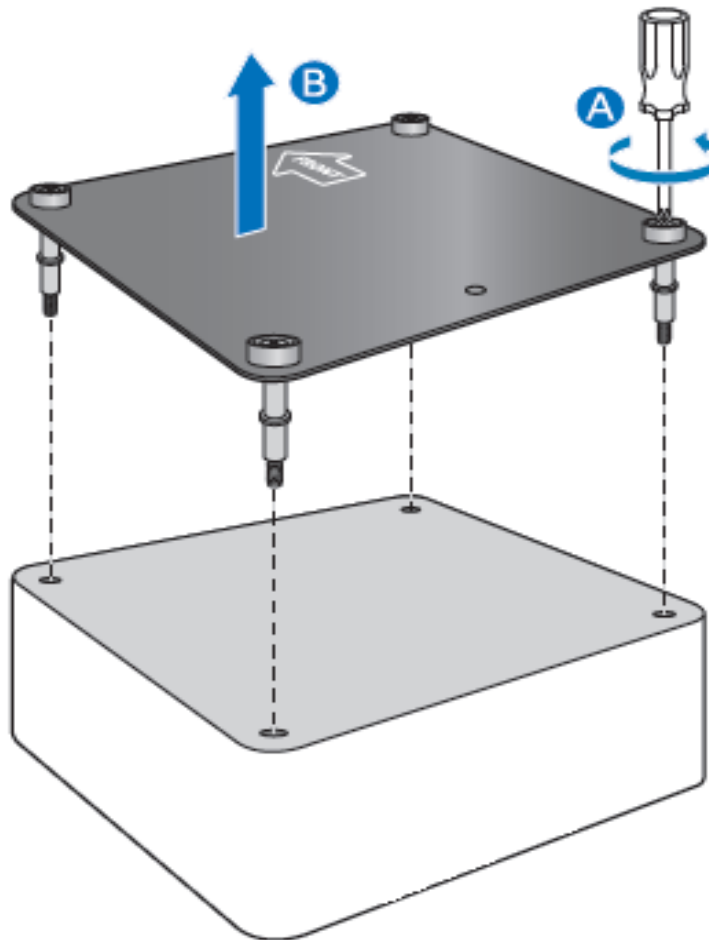
3.0   System Memory

The Intel NUC kits NUC8i7INH and NUC8i5INH have 8GB of RAM soldered down

Pre-integrated memory

NUC8i7INH	8GB
NUC8i5INH	8GB

There is no option to upgrade/change the memory configuration.

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4.0   Change the M.2 SSD

Intel NUC kits NUC8i7INH and NUC8i5INH support 80mm SSDs.

Pre-installed M.2

NUC8i5INHP	256GB m.2 SSD
NUC8i7INHP	256GB m.2 SSD
NUC8i7INHZ	128GB m.2 SSD

Find compatible M.2 SSDs in the Intel Product Compatibility Tool:

- NUC8i5INH
- NUC8i7INH

To install a different M.2 SSD:

1. Remove the small silver screw from the 80mm or 42mm metal standoff on the board (A).

2. Remove the pre-installed SSD from the connector.

3. Align the space at the bottom of the new M.2 SSD to the key on the connector.

4. Secure the card to the standoff with the small silver screw (C).

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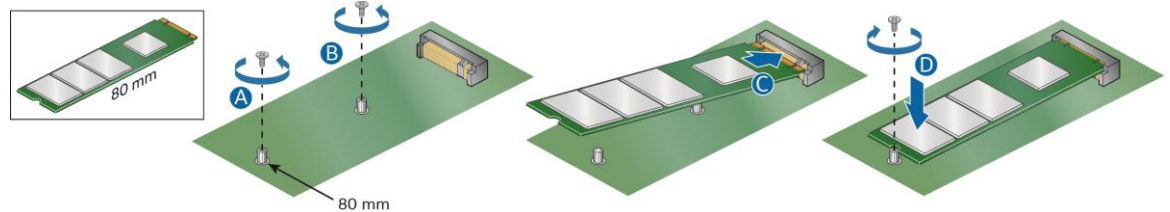
5.0 Install a 2.5" SSD or Hard Drive

The Intel NUC kits NUC8i7INH and NUC8i5INH support an additional 2.5" Solid State Drive (SSD) or Hard Disk Drive (HDD).

Find compatible 2.5" drives in the Intel Product Compatibility Tool:

- NUC8i5INH
- NUC8i7INH

1. Unscrew the four screws holding the current drive in the bay.
2. Remove the pre-installed drive from the drive bay.
3. Slide the new 2.5" drive into the drive bay, ensuring the SATA connectors are fully seated into the connectors of the SATA daughter card (A).
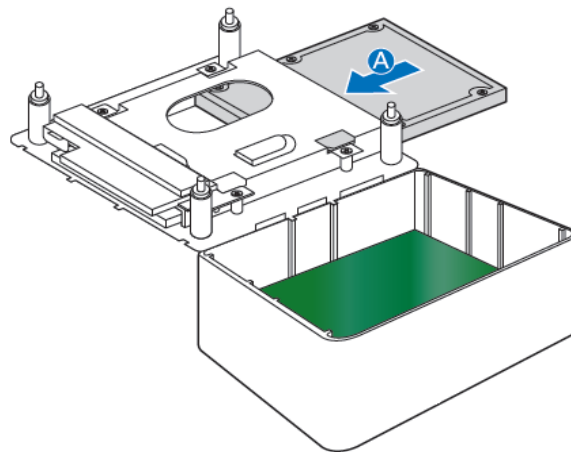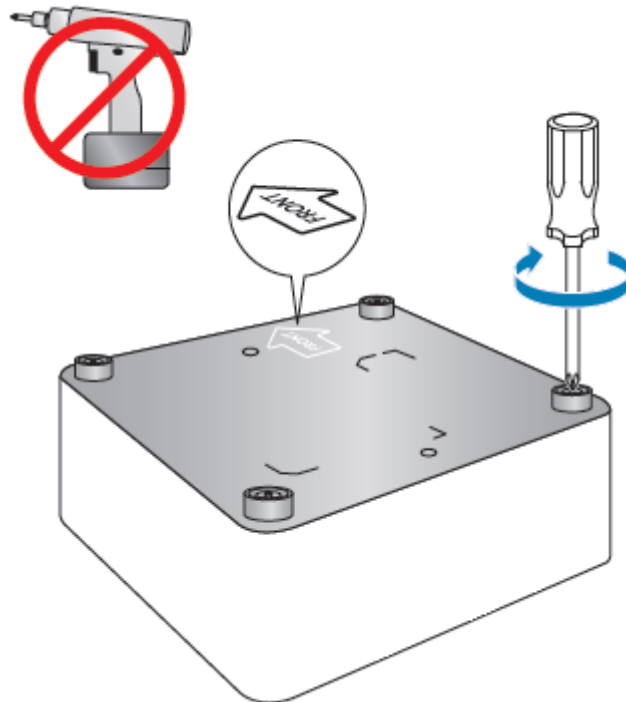

4. Secure the drive into the drive bay with the four screws that were used in step 1. Set the drive bay bracket down inside the chassis (C).
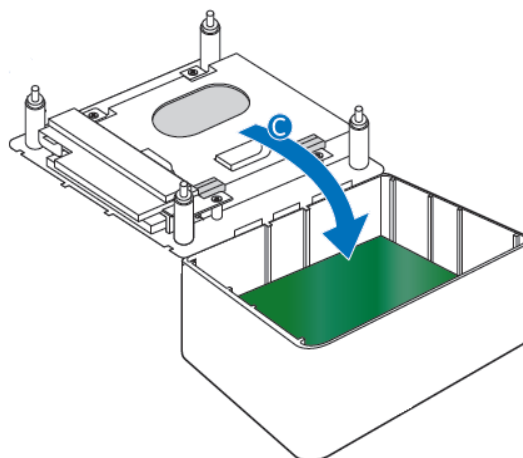
6.0   Close the Chassis

After all components have been installed, close the Intel NUC chassis. Intel recommends this be done by hand with a screwdriver to avoid over-tightening and possibly damaging the screws.

7.0 Use the VESA Bracket (Optional)

Follow these instructions to attach and use the VESA mount bracket:

1. Using the four small black screws that were included in the box, attach the VESA bracket to the back of the monitor or TV.
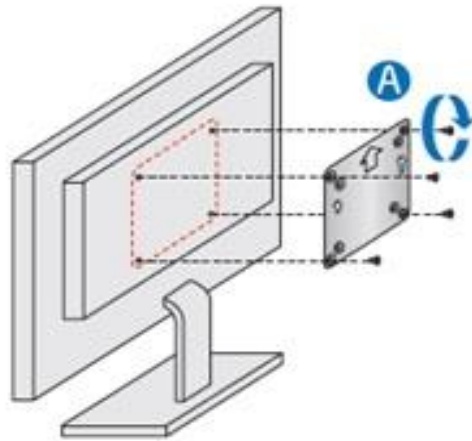
2. Attach the two slightly larger black screws to the bottom chassis cover of the Intel NUC.

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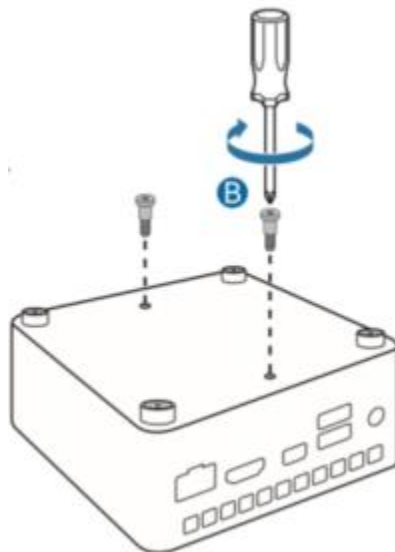
3. Slide the Intel NUC onto the VESA mount bracket.

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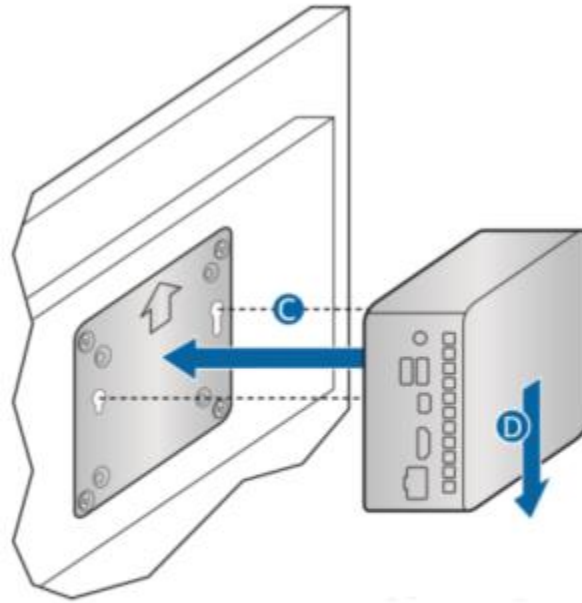
8.0   Connect Power
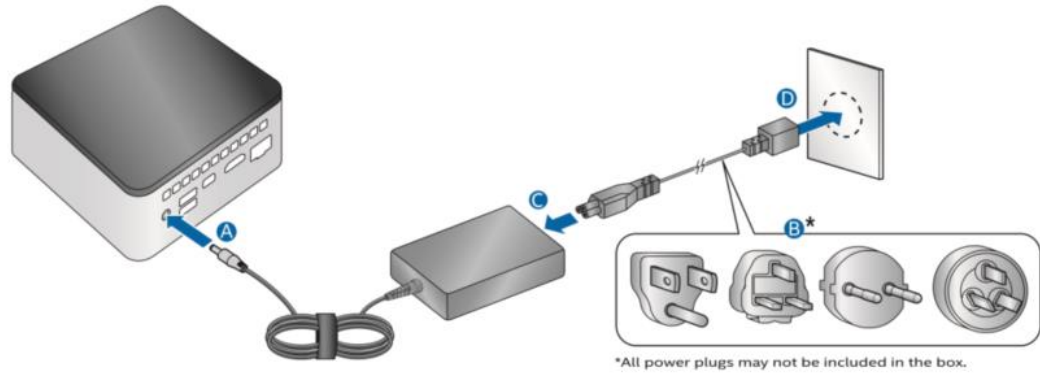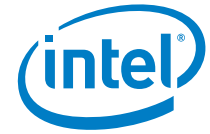
Each Intel NUC model includes either a region-specific AC power cord or no AC power cord (only the power adapter).

Product codes	Power cord type
BXNUC8i5INHX BXNUC8i7INHX	No power cord included. An AC power cord needs to be purchased separately. Power cords are available at many Internet sites for use in multiple countries. The connector on the power adapter is a C5 type connector.
BXNUC8i5INHJA1 BXNUC8i5INHPA1 BXNUC8i7INHJA1 BXNUC8i7INHPA1	US power cord included.
BXNUC8i5INHJA2 BXNUC8i5INHPA2 BXNUC8i7INHJA2 BXNUC8i7INHPA2	EU power cord included.
BXNUC8i5INHJA3 BXNUC8i7INHJA3	UK power cord included.
BXNUC8i5INHJA4 BXNUC8i7INHJA4	Australia/New Zealand power cord included.
BXNUC8i5INHP6 BXNUC8i7INHP6 BXNUC8i7INHZ6	China power cord included.

*All power plugs may not be included in the box.

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9.0   Install an Operating System

See Supported Operating Systems for a list of Intel-validated Windows* operating systems.

The Intel Product Compatibility Tool lists versions of Linux* that have been reported as compatible by Intel NUC owners. If you need assistance with Linux on your Intel NUC, check the distribution's website and forums for peer assistance.

Refer to Operating System Installation for system requirements and installation steps.
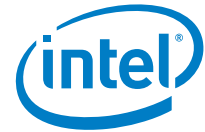
10.0 Install the Latest Device Drivers and Software

Here are the options for keeping device drivers current:

- Allow the Intel® Driver & Support Assistant (Intel® DSA) to detect out-of-date drivers
- Manually download drivers, BIOS, and software from Download Center:
  - NUC8i5INH
  - NUC8i7INH

The following device drivers and software are available.
- Intel® Chipset Device Software
- Radeon Graphics
- Intel® Management Engine
- Intel® Gigabit Ethernet
- Intel® Wireless
- Intel® Bluetooth
- Intel® Serial IO
- Realtek* High Definition Audio
- Realtek* Card Reader
- ITE Tech* Consumer Infrared
- Intel® Rapid Storage Technology
- Intel® Software Guard Extensions
- Intel® MPX Runtime Driver

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