

Intel® NUC8 Home, a Mini PC with Windows® 10 – NUC8i3CYSM

Intel® NUC8 Home, a Mini PC with Windows® 10 – NUC8i3CYSN

User Guide

Before You Begin



CAUTIONS

The procedures in this guide assume familiarity with the general terminology associated with personal computers and with the safety practices and regulatory compliance required for using and modifying electronic equipment.

Always disconnect the computer from its power source and from any network before performing any of the procedures described in this guide.

Failure to disconnect power or networks before you open the computer or perform any procedures can result in personal injury and/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 is not available, you can provide some ESD protection by wearing an antistatic wrist strap and attaching it to a metal part of the computer chassis.

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 Safety and Regulatory Requirements

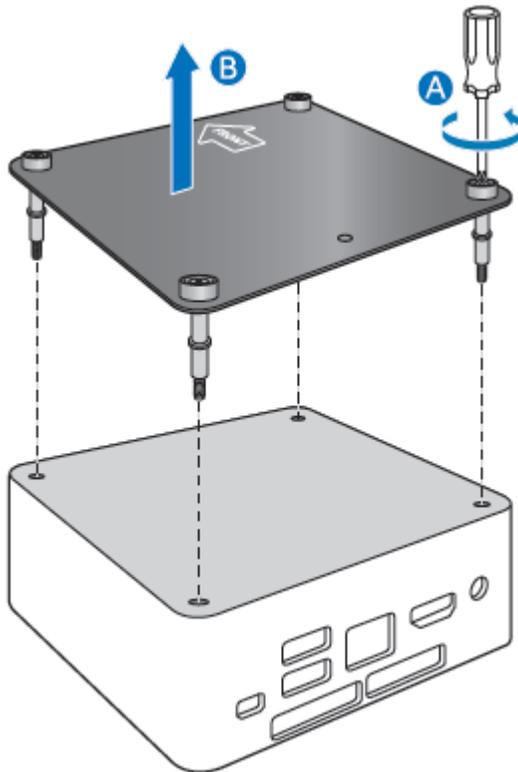
If you do not follow these instructions, you increase your safety risk and the possibility of noncompliance with regional laws and regulations.

This guide tells you how to:

- [Change/install a 2.5-inch drive](#)
- [Change/install an M.2 SSD](#)
- [Use a VESA mount bracket](#)
- [Connect power](#)
- [Set up Microsoft® Windows® 10](#)
- [Install the latest device drivers and software](#)
- [Recover the operating system](#)

Open the Chassis

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



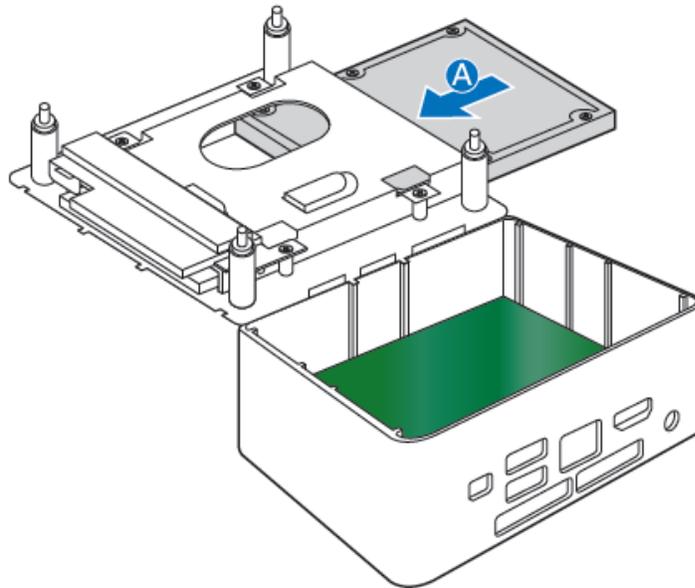
Changing a 2.5" Hard Drive or SSD

The Intel NUC Kits NUC8i3CYSM and NUC8i3CYSN have pre-installed 2.5" Hard Disk Drive (HDD).

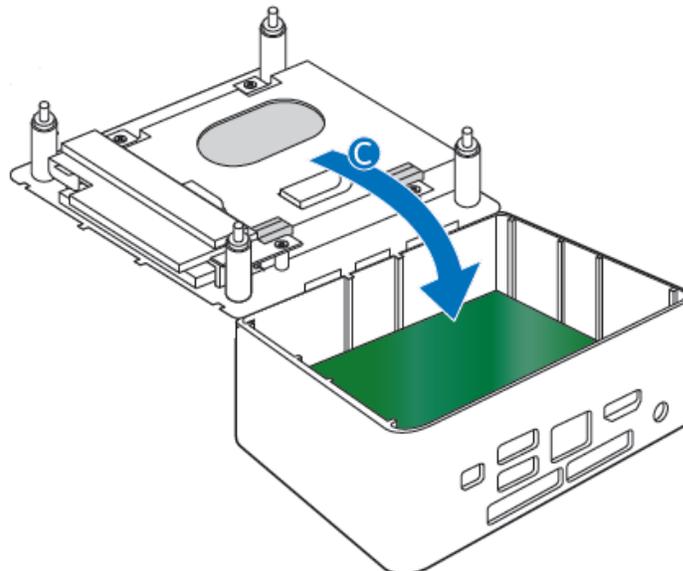
Find compatible 2.5" drives in the Intel Product Compatibility Tool:

- [NUC8i3CYSM](#)
- [NUC8i3CYSN](#)

1. Unscrew the 4 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).



Changing an M.2 SSD or Intel® Optane™ Memory Module

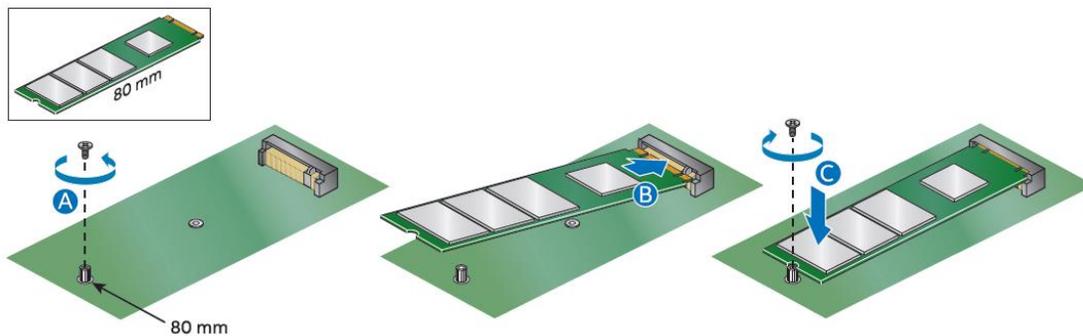
The Intel NUC Kits NUC8i3CYSM and NUC8i3CYSN support an 80mm SSD.

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

- [NUC8i3CYSM](#)
- [NUC8i3CYSN](#)

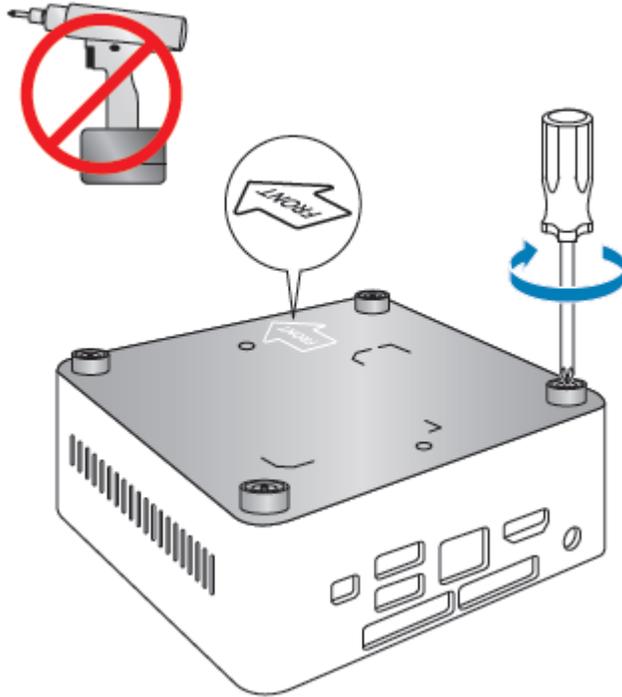
To Change an M.2 SSD:

1. Remove the small silver screw from the 80mm metal standoff on the board (A).
2. Remove the SSD/Intel Optane Memory from the connector if there is one installed.
3. Align the space at the bottom of the new M.2 SSD to the key on the connector.
4. Insert the bottom edge of the M.2 SSD into the connector (B).
5. Secure the card to the standoff with the small silver screw (C).



Close the Chassis

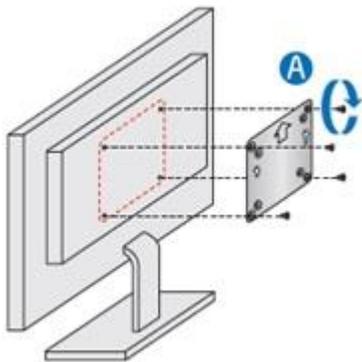
After all components have been installed, close the Intel NUC chassis (using an electric or battery operated screw driver can damage the NUC).



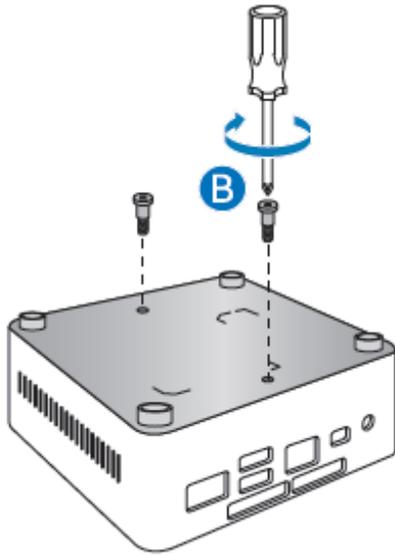
Attach and Use the VESA Bracket (Optional)

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

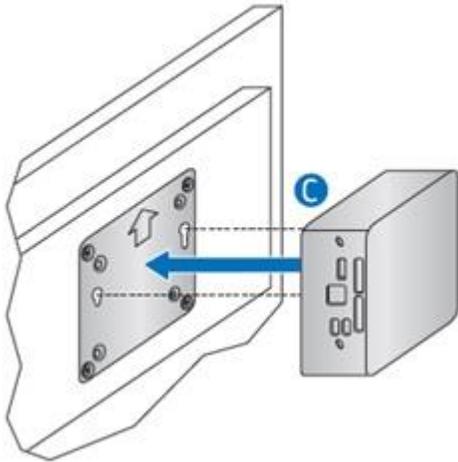
1. Using the four small black screws that were included in the box, attach the VESA bracket to the back of the monitor or TV.



2. Attach the two slightly larger black screws to the bottom chassis cover of the Intel NUC.



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



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
BOXNUC8i3CYSM BOXNUC8i3CYSN	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. 
BOXNUC8i3CYSM1 BOXNUC8i3CYSN1	US power cord included.
BOXNUC8i3CYSM2 BOXNUC8i3CYSN2	EU power cord included.
BOXNUC8i3CYSM3 BOXNUC8i3CYSN3	UK power cord included.
BOXNUC8i3CYSM4 BOXNUC8i3CYSN4	Australia/New Zealand power cord included.
BOXNUC8i3CYSN5	India power cord included.
BOXNUC8i3CYSM6	China power cord included.

Set Up Microsoft® Windows® 10

Microsoft Windows 10 is already installed on the Intel NUC. The first time you start the computer, you are guided through the Windows 10 setup steps, including:

- Selecting your region and language.
- Accepting the Microsoft Windows license terms.
- Personalizing Windows and assign a PC Name.
- "Get Online" dialog to pick a wireless network (this step is optional).
- Choosing Express Settings or Customize.
- Assigning a User Name and Password.

Reinstalling the Operating System

If you upgrade or replace the computer's drive, you may need to install a new version of the operating system. See these resources:

- [Supported Operating Systems](#)
- [Windows Setup Guide](#)

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:
 - [NUC8i3CYSM](#)
 - [NUC8i3CYSN](#)

The following device drivers and software are available.

- Intel® Chipset Device Software
- Intel® Management Engine
- Intel® Wireless
- Intel® Bluetooth
- Intel® Gigabit Ethernet
- Intel® Serial /IO
- Intel® GNA Scoring Accelerator
- Radeon™ 540 Graphics
- Realtek* Card Reader
- Realtek* Audio
- ITE* Consumer Infrared
- Intel® Rapid Storage Technology

Operating System Recovery

There's a Windows recovery partition on the Intel NUC. You can use this partition to Refresh, Reset, or Restore Windows. Here is what each of these actions do:

Refresh	If your PC isn't performing as well as it once did, and you don't know why, you can refresh your PC. This action doesn't delete any of your personal files or change your settings. Refresh does the following: <ul style="list-style-type: none">• Files and personalization settings won't change.• PC settings are changed back to their defaults.• Apps from the Windows Store are kept.• Apps installed from disks or websites are removed.• List of removed apps is saved on the desktop.
Reset	If you want to recycle your PC, give it away, or start over with it, you can reset it completely. This process removes everything. Reset does the following: <ul style="list-style-type: none">• All personal files and apps are removed.• PC settings are changed back to their defaults.• Windows is reinstalled.
Restore	If a recently installed app or driver is causing problems with your PC, you can restore Windows back to an earlier point in time, called a restore point. System Restore doesn't change your personal files, but it can remove recently installed apps and drivers.

Caution - Before performing a Refresh or Reset:

- Make sure to back up all personal data to external storage.
- Remove SD card from the card slot, if one is inserted.

To access the recovery media:

If Windows starts	From Windows Start, type Recovery and select Recovery Options . See Recovery options in Windows 10 for complete details on how to use the recovery options.
If Windows doesn't start	The recovery process should automatically start. If Recovery doesn't automatically start, you can try to initiate it as follows: <ol style="list-style-type: none">1. Press F8 during boot, when you see the prompt "F8 to Activate Windows 8.1/10 Recovery Mode".2. Follow the recovery steps.