Intel® NUC Kit NUC6i7KYK
User Guide

Before You Begin

⚠️ **CAUTIONS**

The procedures in this user 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.

Disconnect the computer from its power source and from any telecommunications link or network before performing any of the procedures 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.
- Set up 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 all warnings and cautions that instruct you to refer computer servicing to qualified technical personnel.

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.
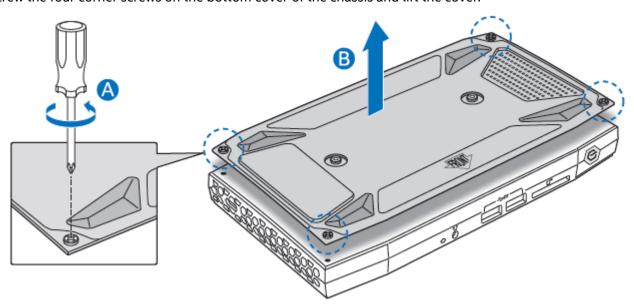
This guide tells you how to:

- Install and remove memory
- Install an M.2 SSD
- Install a VESA mount bracket
- Connect power
- Install an operating system
- Install the latest device drivers and software

Open the Intel NUC Chassis

To open the Intel NUC chassis, follow these steps:
1. Unscrew the four corner screws on the bottom cover of the chassis and lift the cover.

Installing and Removing Memory

Intel NUC Kit NUC6i7KYK has two 260-pin DDR4 SO-DIMM sockets. Memory requirements:

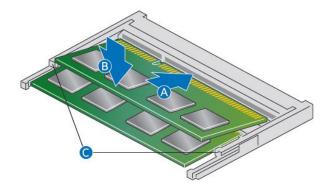- 1.2V/1.35V low voltage memory
- 2133 MHz SO-DIMMs
- Non-ECC

For a list of tested memory, go to the System Memory page on the Support site:

Install SO-DIMMs

If you plan to install just one SO-DIMM, install it in the lower memory socket.

To install the SO-DIMMs, follow these steps:

1. Observe the precautions in "Before You Begin" on page 2.

2. Turn off all peripheral devices connected to the computer. Turn off the computer and disconnect the AC power cord.

3. Align the small notch at the bottom edge of the SO-DIMM with the key in the socket.
4. Insert the bottom edge of the SO-DIMM into the socket.
5. When the SO-DIMM is inserted, push down on the outer edge of the SO-DIMM until the retaining clips snap into place. Make sure the clips are firmly in place.
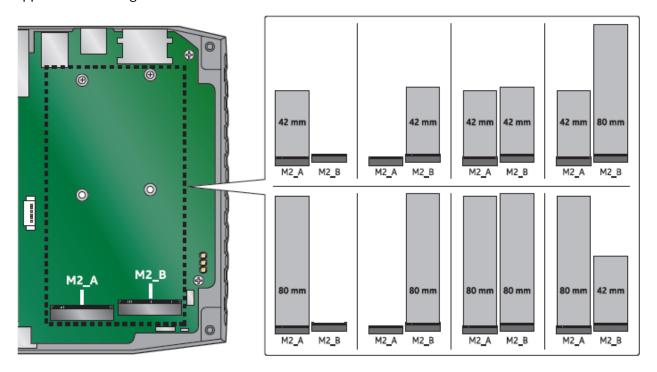
Removing SO-DIMMs

To remove a SO-DIMM, follow these steps:

1. Observe the precautions in "Before You Begin" on page 2.
2. Turn off all peripheral devices connected to the computer. Turn off the computer.
3. Remove the AC power cord from the computer.
4. Remove the computer's cover.
5. Gently spread the retaining clips at each end of the SO-DIMM socket. The SO-DIMM pops out of the socket.
6. Hold the SO-DIMM by the edges, lift it away from the socket, and store it in an anti-static package.
7. Reinstall and reconnect any parts you removed or disconnected to reach the SO-DIMM sockets.
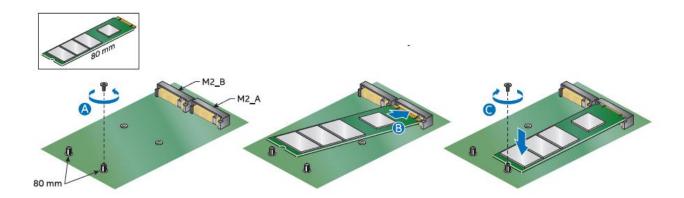8. Replace the computer's cover and reconnect the AC power cord.

Install an M.2 SSD

Intel NUC Kit NUC6i7KYK has two M.2 slots, supporting 80mm and 42mm SSDs. For a list of tested M.2 SSDs, go to the Intel® Product Compatibility Tool.
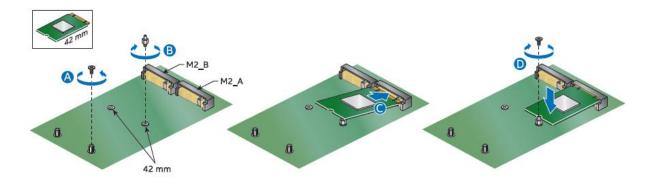
Supported M.2 configurations are shown here.

If you are installing an 80mm M.2 SSD:

1. Remove the small silver screw from the 80mm metal standoff for one of the M.2 connectors on the motherboard (A).

2. Align the small notch at the bottom edge of the M.2 card with the key in the connector.

3. Insert the bottom edge of the M.2 card into the connector (B).

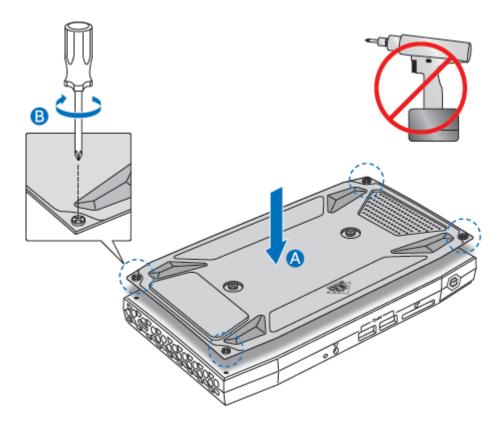4. Secure the card to the standoff with the small silver screw (C).

If you are installing a 42mm M.2 SSD:

1. Remove the small silver screw from the metal standoff on the motherboard (A).

2. Move the standoff (B) from the 80mm position to the 42mm position (B).

3. Align the small notch at the bottom edge of the M.2 card with the key in the connector.

4. Insert the bottom edge of the M.2 card into the connector (C).

5. Secure the card to the standoff with the small silver screw (D).
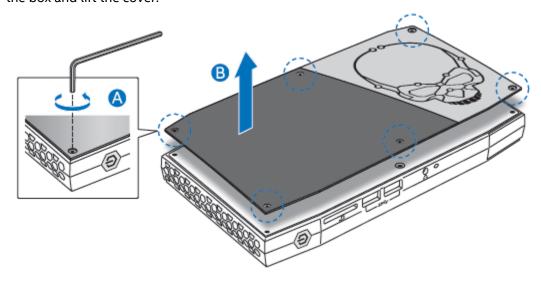

Close the Chassis

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.
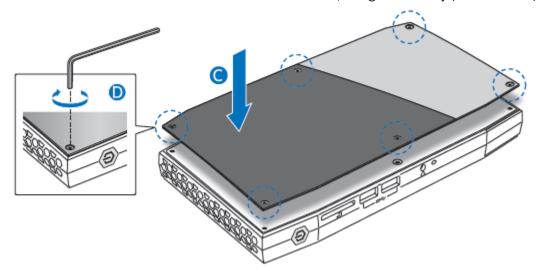
Change the Intel NUC Lid (Optional)

Follow these instructions to replace the factory-installed skull lid with the one included in the box.

Remove the six screws on the top cover of the chassis using the 2mm hex key (Allen wrench) included in the box and lift the cover.
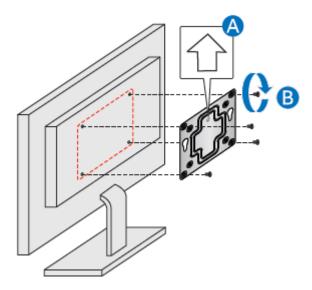

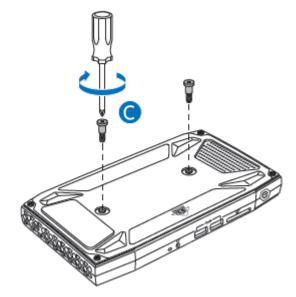Secure the alternate lid to the chassis with the six screws, using the hex key (Allen wrench).

Attach and Use the VESA Bracket (Optional)

Follow these instructions to attach and use the VESA mount bracket:
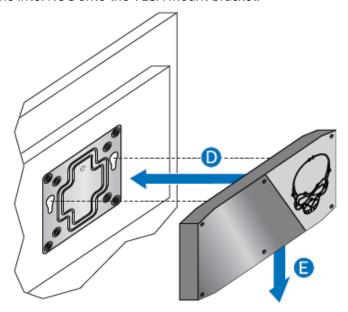
1. Using the four small black screws that were included in the box, attach the VESA bracket to the back of the monitor or TV.

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

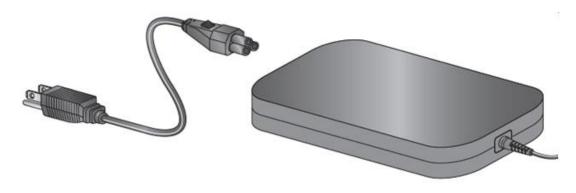Region-specific power cords are included in the Intel NUC Kit box.

1. Choose the power cord with plug type for your region.

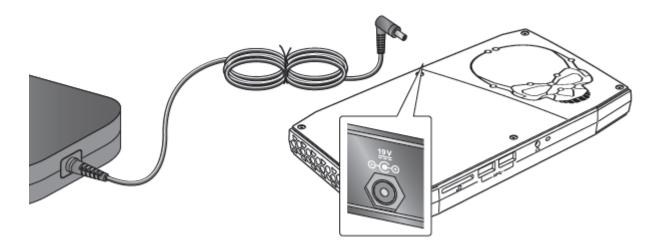| Plug Type				
Region	US – United States	EU – European Union	UK – United Kingdom	AUS – Australia
Product Code	BOXNUC6i7KYK1	BOXNUC6i7KYK2	BOXNUC6i7KYK3	BOXNUC6i7KYK4

Product code **BOXNUC6i7KYK** does not include a power cord. Compatible power cords are available at many Internet sites for use in multiple countries. The connector on the cord is a C6 type that plugs into the power adapter, which has a C5 type connector. The C6 plug type is also known as a cloverleaf connector.

2. Connect the power cord to the power adapter.

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3. Connect the adapter to the 19V power jack on the back of the Intel NUC.

4. Connect to AC power.

Install an Operating System

Refer to Supported Operating Systems for a list of Intel-validated Windows* operating systems, as well as versions of Linux that have been reported as compatible by Intel NUC owners.

Refer to Operating System Installation for system requirements and installation steps.

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.

The following device drivers and software are available.
- Intel® Chipset Device Software
- Intel® HD Graphics
- Intel® Management Engine
- Intel® Gigabit Ethernet
- Intel® Wireless
- Intel® Bluetooth
- Intel® USB 3.0 (needed for Windows 7* only)
- Thunderbolt™ Bus
- Realtek* High Definition Audio
- BayHub Tech* Card Reader
- Nuvoton* Consumer Infrared
- Intel® Rapid Storage Technology
- Intel® Software Guard Extensions
- Thunderbolt™ 3 Controller Firmware
- HDMI Firmware