Intel® NUC 13 Pro Kit NUC13ANKv7
Intel® NUC 13 Pro Kit NUC13ANKi7
Intel® NUC 13 Pro Kit NUC13ANKv5
Intel® NUC 13 Pro Kit NUC13ANKi5
Intel® NUC 13 Pro Kit NUC13ANKi3
Intel® NUC 13 Pro Kit NUC13L5Kv7
Intel® NUC 13 Pro Kit NUC13L5Kv5
Intel® NUC 13 Pro Kit NUC13L5Ki5
Intel® NUC 13 Pro Kit NUC13L5Ki3
Intel® NUC 13 Pro Kit NUC13L3Kv7
Intel® NUC 13 Pro Kit NUC13L3Ki7
Intel® NUC 13 Pro Kit NUC13L3Kv5
Intel® NUC 13 Pro Kit NUC13L3Ki5
Intel® NUC 13 Pro Kit NUC13L3Ki3

User Guide

May 2023

NUC13ANK and NUC13LCK
User Guide – May 2023

Contents

Revision History

Date	Revision	Description
March 2023	1.0	Initial release.
May 2023	2.0	Added NUC13LCK products.

1.0   Introduction

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

- Intel® NUC 13 Pro Kit NUC13ANKv7
- Intel® NUC 13 Pro Kit NUC13ANKi7
- Intel® NUC 13 Pro Kit NUC13ANKv5
- Intel® NUC 13 Pro Kit NUC13ANKi5
- Intel® NUC 13 Pro Kit NUC13ANKi3
- Intel® NUC 13 Pro Kit NUC13L5Kv7
- Intel® NUC 13 Pro Kit NUC13L5Kv5
- Intel® NUC 13 Pro Kit NUC13L5Ki5
- Intel® NUC 13 Pro Kit NUC13L5Ki3
- Intel® NUC 13 Pro Kit NUC13L3Kv7
- Intel® NUC 13 Pro Kit NUC13L3Ki7
- Intel® NUC 13 Pro Kit NUC13L3Kv5
- Intel® NUC 13 Pro Kit NUC13L3Ki5
- Intel® NUC 13 Pro Kit NUC13L3Ki3

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

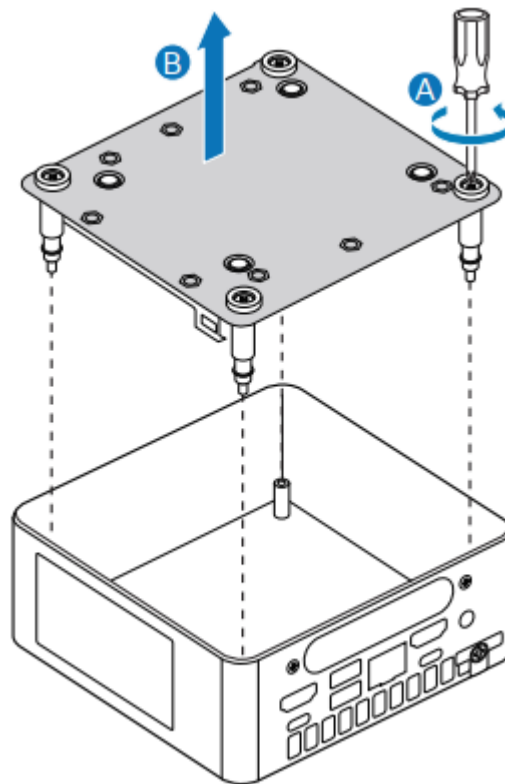Observe all warnings and cautions that instruct you to refer computer servicing to qualified technical personnel.

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.

3.0   *Install and Remove System Memory*

Intel® NUC 13 Pro Kit NUC13ANK has two 260-pin DDR4 SO-DIMM memory slots

Memory requirements:

- 1.2V low voltage memory
- 2400/2666/3200 MHz SO-DIMMs
- Non-ECC
- Up to 64GB of system memory supported with 2 SO-DIMMs using 32GB memory modules

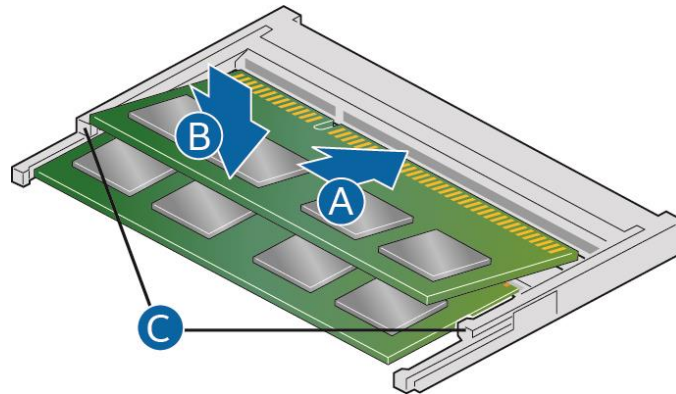Find compatible system memory modules at the Intel® Product Compatibility Tool:

- Intel® NUC 13 Pro Kit NUC13ANKv7
- Intel® NUC 13 Pro Kit NUC13ANKi7
- Intel® NUC 13 Pro Kit NUC13ANKv5
- Intel® NUC 13 Pro Kit NUC13ANKi5
- Intel® NUC 13 Pro Kit NUC13ANKi3
- Intel® NUC 13 Pro Kit NUC13L5Kv7
- Intel® NUC 13 Pro Kit NUC13L5Kv5
- Intel® NUC 13 Pro Kit NUC13L5Ki5
- Intel® NUC 13 Pro Kit NUC13L5Ki3
- Intel® NUC 13 Pro Kit NUC13L3Kv7
- Intel® NUC 13 Pro Kit NUC13L3Ki7
- Intel® NUC 13 Pro Kit NUC13L3Kv5
- Intel® NUC 13 Pro Kit NUC13L3Ki5
- Intel® NUC 13 Pro Kit NUC13L3Ki3

3.1   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" in Section 1.1.
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.

3.2   Remove SO-DIMMs

To remove a SO-DIMM, follow these steps:

1. Observe the precautions in "Before You Begin" in Section 1.1.
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.

9

4.0   Install an M.2 SSD
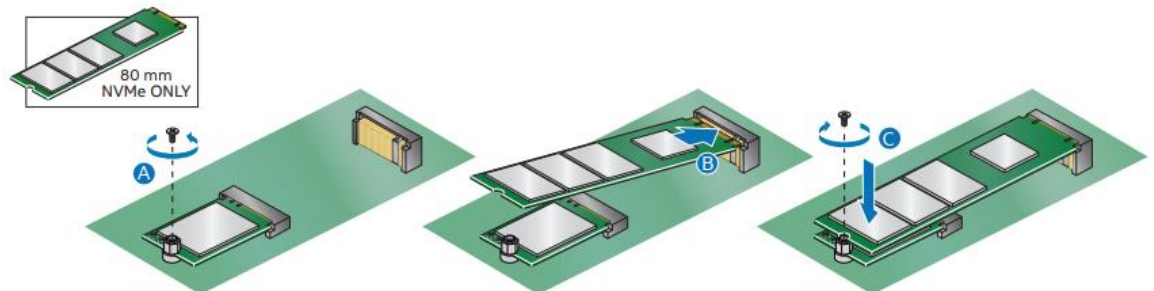
Intel® NUC 13 Pro Kit NUC13ANK contains

- one 80mm connector supporting NVMe and
- one 42mm connector supporting SATA SSD

Find compatible M.2 SSDs at the Intel® Product Compatibility Tool:
- Intel® NUC 13 Pro Kit NUC13ANKv7
- Intel® NUC 13 Pro Kit NUC13ANKi7
- Intel® NUC 13 Pro Kit NUC13ANKv5
- Intel® NUC 13 Pro Kit NUC13ANKi5
- Intel® NUC 13 Pro Kit NUC13ANKi3
- Intel® NUC 13 Pro Kit NUC13L5Kv7
- Intel® NUC 13 Pro Kit NUC13L5Kv5
- Intel® NUC 13 Pro Kit NUC13L5Ki5
- Intel® NUC 13 Pro Kit NUC13L5Ki3
- Intel® NUC 13 Pro Kit NUC13L3Kv7
- Intel® NUC 13 Pro Kit NUC13L3Ki7
- Intel® NUC 13 Pro Kit NUC13L3Kv5
- Intel® NUC 13 Pro Kit NUC13L3Ki5
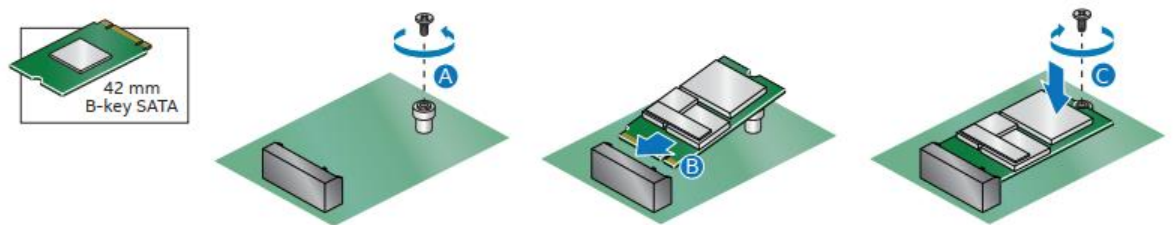- Intel® NUC 13 Pro Kit NUC13L3Ki3

If you're installing an 80mm M.2 SSD:

1. Remove the small silver screw from the 80mm metal standoff 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).
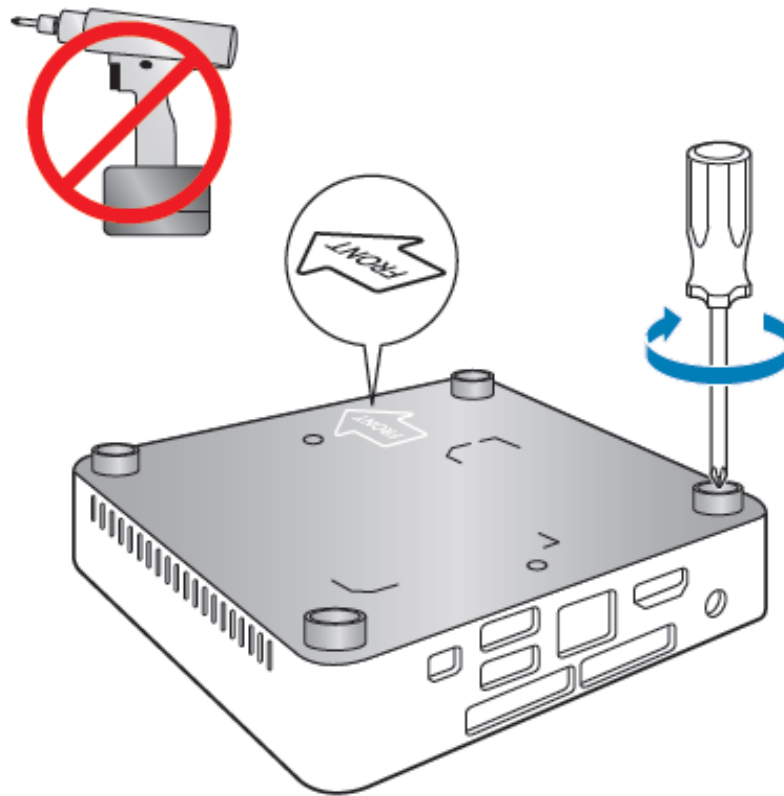4. Secure the card to the standoff with the small silver screw (C).

If you're installing a 42mm M.2 SATA 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 (C).
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 (D).
5. Secure the card to the standoff with the small silver screw (E).

NUC13ANK and NUC13LCK
User Guide – May 2023
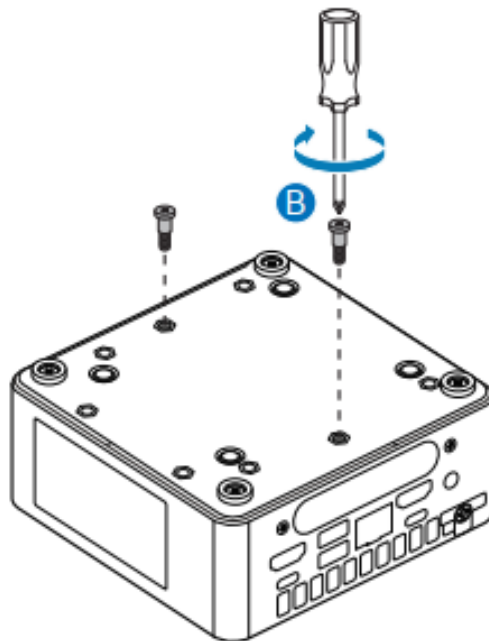
5.0   Close the Chassis

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.

6.0　Use the VESA Bracket (Optional)
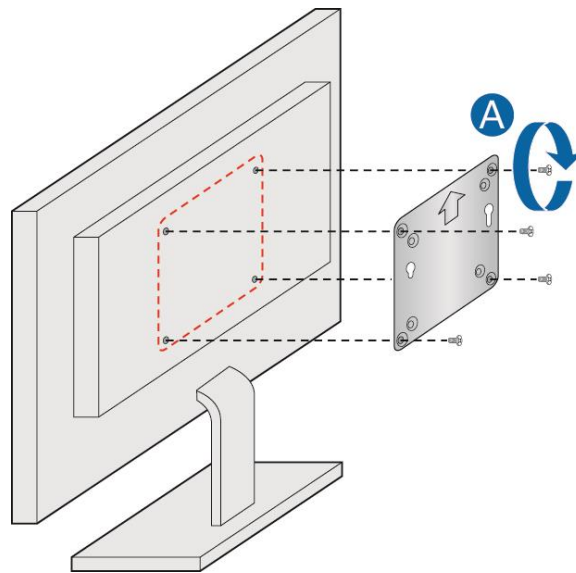
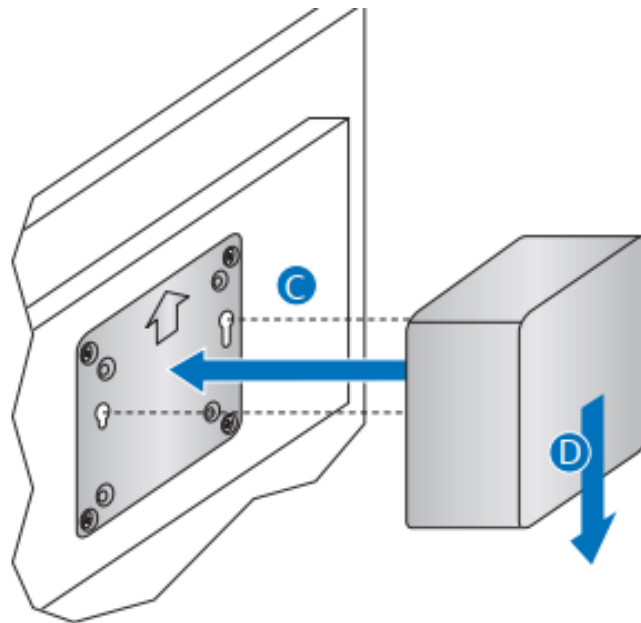Follow these instructions to attach and use the VESA mount bracket:

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.

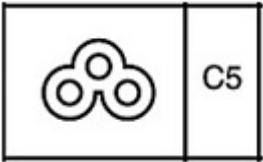2. Attach the two slightly larger black screws to the bottom chassis cover of the Intel NUC.

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

NUC13ANK and NUC13LCK
User Guide – May 2023

7.0   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
RNUC13ANKV70000 RNUC13ANKI70000 RNUC13ANKV50000 RNUC13ANKI50000 RNUC13ANKI30000 RNUC13L5KV70000 RNUC13L5KV50000 RNUC13L5KI50000 RNUC13L5KI30000 RNUC13L3KV70000 RNUC13L3KI70000 RNUC13L3KV50000 RNUC13L3KI50000 RNUC13L3KI30000	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.
RNUC13ANKV70001 RNUC13ANKI70001 RNUC13ANKV50001 RNUC13ANKI50001 RNUC13ANKI30001 RNUC13L3KV70001 RNUC13L3KI70001 RNUC13L3KV50001 RNUC13L3KI50001 RNUC13L3KI30001 RNUC13L3KV7000U RNUC13L3KI7000U RNUC13L3KV5000U RNUC13L3KI5000U RNUC13L3KI3000U	US power cord included.

RNUC13ANKV70002 RNUC13ANKI70002 RNUC13ANKV50002 RNUC13ANKI50002 RNUC13ANKI30002 RNUC13L3KV70002 RNUC13L3KI70002 RNUC13L3KV50002 RNUC13L3KI50002 RNUC13L3KI30002	EU power cord included.
RNUC13ANKV70003 RNUC13ANKI70003 RNUC13ANKV50003 RNUC13ANKI50003 RNUC13ANKI30003 RNUC13L3KV70003 RNUC13L3KI70003 RNUC13L3KV50003 RNUC13L3KI50003 RNUC13L3KI30003	UK power cord included.

8.0 Install an Operating System

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

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

NUC13ANK and NUC13LCK
User Guide – May 2023

9.0 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:
  - Intel® NUC 13 Pro Kit NUC13ANKv7
  - Intel® NUC 13 Pro Kit NUC13ANKi7
  - Intel® NUC 13 Pro Kit NUC13ANKv5
  - Intel® NUC 13 Pro Kit NUC13ANKi5
  - Intel® NUC 13 Pro Kit NUC13ANKi3
  - Intel® NUC 13 Pro Kit NUC13L5Kv7
  - Intel® NUC 13 Pro Kit NUC13L5Kv5
  - Intel® NUC 13 Pro Kit NUC13L5Ki5
  - Intel® NUC 13 Pro Kit NUC13L5Ki3
  - Intel® NUC 13 Pro Kit NUC13L3Kv7
  - Intel® NUC 13 Pro Kit NUC13L3Ki7
  - Intel® NUC 13 Pro Kit NUC13L3Kv5
  - Intel® NUC 13 Pro Kit NUC13L3Ki5
  - Intel® NUC 13 Pro Kit NUC13L3Ki3