Intel NUC7PJYH

Intel NUC 7 Essential Kit (NUC7PJYH) - User Manual

INTRODUCTION

The Intel NUC 7 Essential Kit (NUC7PJYH) is a compact computing solution designed for various applications. This manual provides essential information for setting up, operating, and maintaining your device. The NUC7PJYH Kit features a Pentium Silver processor, dual Ultra HD 4K display support via two full-sized HDMI ports, consumer infrared, and a TOSLINK audio jack. It is suitable for media streaming, productivity tasks, and entry-level digital signage. Please note that memory, storage, and operating system are not included and must be acquired separately.

WHAT'S IN THE BOX

- Intel NUC Unit
- 19V Power Adapter
- VESA Mounting Plate
- Instruction Manual

PRODUCT OVERVIEW

The Intel NUC 7 Essential Kit is a versatile mini PC designed for efficiency and performance. Key features include:

- Intel Pentium Silver J5005 Processor
- Customizable to your needs (Requires Memory, Storage, and Operating System - not included)
- 2.5" 9.5mm SATA3 bay and port with Dual-channel DDR4-2400 SODIMMs support, up to 8GB maximum
- Dual HDMI, 4 x USB, Wi-Fi and LAN connection
- Supports 4K via Intel UHD, 605 graphics

Front Panel

Image: Front view of the Intel NUC 7 Essential Kit, showing two USB 3.0 ports, a headphone/microphone jack, and the power button.

Rear Panel

Image: Rear view of the Intel NUC 7 Essential Kit, displaying various ports including HDMI, USB, Ethernet, and power input.

Internal View

Image: Internal view of the Intel NUC 7 Essential Kit, showing the layout for RAM and storage installation.

SETUP

1. **Install Memory (RAM):** Open the NUC chassis. Locate the SODIMM slots. Gently insert DDR4-2400 SODIMM modules (up to 8GB total) into the slots until they click into place.

2. **Install Storage:** For a 2.5" SATA drive, connect the drive to the SATA port and secure it within the designated bay.

3. **Close Chassis:** Carefully close the NUC chassis, ensuring all cables are properly routed and secured.

4. **Connect Peripherals:** Connect your monitor(s) to the HDMI ports. Connect a keyboard and mouse to

the USB ports. Plug in the power adapter.

5. **Install Operating System:** Power on the NUC. Follow the on-screen instructions to install your preferred operating system (e.g., Windows, Linux, Chrome OS) from a USB drive or network.

OPERATING

1. **Power On/Off:** Press the power button on the front panel to turn the NUC on or off.

2. **Connecting to Display:** Use the HDMI ports to connect to up to two 4K displays. Ensure your displays are set to the correct input source.

3. **USB Devices:** Connect USB devices such as external storage, printers, or other peripherals to the available USB 3.0 ports.

4. **Network Connection:** Connect an Ethernet cable to the LAN port for a wired network connection, or configure Wi-Fi through your operating system settings.

MAINTENANCE

- **Cleaning:** Regularly clean the exterior of the NUC with a soft, dry cloth. Ensure ventilation grilles are free from dust to maintain optimal airflow.
- **Software Updates:** Keep your operating system and drivers updated to ensure optimal performance and security. Check the Intel support website for the latest NUC-specific drivers.
- **Firmware/BIOS Updates:** Periodically check the Intel support website for BIOS/firmware updates. Follow instructions carefully when performing updates.

TROUBLESHOOTING

- **No Display:** Ensure the monitor is powered on and set to the correct input. Check HDMI cable connections. Try a different HDMI port or cable.
- **Peripherals Not Recognized:** Ensure USB devices are properly connected. Try different USB ports. Update USB drivers in the operating system.
- **System Slowdown:** Check Task Manager (Windows) or system monitor (Linux) for high CPU/RAM usage. Ensure sufficient free storage space. Update drivers and operating system.
- **Network Connectivity Issues:** Verify Ethernet cable connection or Wi-Fi settings. Restart your router/modem. Update network drivers.
- **OS Installation Problems:** Ensure your installation media is bootable and correctly configured. Check BIOS settings for boot order and compatibility.

SPECIFICATIONS

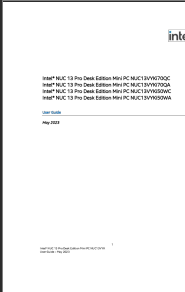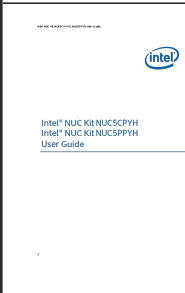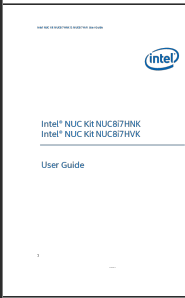| Feature	Specification
Processor	Intel Pentium Silver J5005
RAM	Up to 8GB DDR4-2400 SODIMMs (not included)

Storage	2.5" SATA3 bay (not included)
Graphics	Intel UHD Graphics 605 (4K support)
Video Outputs	2 x HDMI
USB Ports	4 x USB 3.0, 2 x USB 2.0
Network	Gigabit Ethernet, Wi-Fi (802.11a/b/g/n)
Audio	TOSLINK audio jack, 3.5mm headphone/microphone jack
Dimensions	5.43 x 5.27 x 4.64 inches
Weight	2.46 pounds

WARRANTY & SUPPORT

For warranty information and technical support, please refer to the documentation included with your Intel NUC Kit or visit the official Intel support website. Online resources often include driver downloads, FAQs, and community forums.

Related Documents - NUC7PJYH

[Intel NUC Products NUC7CJY/NUC7PJY Technical Specification](#)
Detailed technical product specification for Intel NUC NUC7CJY and NUC7PJY series, covering hardware, components, connectors, power, environmental requirements, and BIOS. Intended for technical users and integrators.

[Intel NUC Kit NUC5i3RYH and NUC5i5RYH User Guide](#)
This user guide provides step-by-step installation instructions for Intel NUC Kits NUC5i3RYH, NUC5i3RYHS, NUC5i3RYHSN, NUC5i5RYH, and NUC5i5RYHS, covering chassis opening, memory installation, SSD installation, closing the chassis, VESA bracket usage, power connection, operating system installation, and driver updates.

[Intel NUC Kit NUC11PAKi Series User Guide](#)
Step-by-step installation guide for Intel NUC Kit NUC11PAKi7, NUC11PAKi5, and NUC11PAKi3. Covers opening the chassis, installing memory and storage, VESA mounting, power connection, OS installation, and driver updates.

[Intel NUC 13 Pro Desk Edition Mini PC User Guide](#)

Comprehensive user guide for the Intel NUC 13 Pro Desk Edition Mini PC, covering installation, upgrades, setup, and recovery. Includes detailed instructions for models NUC13VYKI70QC, NUC13VYKI70QA, NUC13VYKi50WC, and NUC13VYKi50WA.

[Intel NUC Kit NUC5CPYH & NUC5PPYH User Guide: Installation and Setup](#)

Comprehensive user guide for Intel NUC Kit NUC5CPYH and NUC5PPYH, covering installation of memory, storage, VESA mount, operating systems, and drivers. Includes safety precautions and setup instructions.

[Intel NUC Kit NUC8i7HNK & NUC8i7HVK User Guide](#)

Comprehensive user guide for the Intel NUC Kit NUC8i7HNK and NUC8i7HVK, covering safety precautions, installation of memory and M.2 SSDs, chassis closing, VESA mounting, power connection, operating system, and driver installation.