

Intel NUC8CCHKRN

Intel NUC 8 Rugged NUC8CCHKRN Desktop Computer User Manual

Comprehensive instructions for setup, operation, and maintenance.

1. INTRODUCTION

This manual provides essential information for the Intel NUC 8 Rugged NUC8CCHKRN Desktop Computer. It covers the basic setup, operational guidelines, maintenance procedures, and troubleshooting tips to ensure optimal performance and longevity of your device.

The Intel NUC (Next Unit of Computing) is a small form factor PC designed to deliver full-sized computing power in a compact design.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Intel NUC 8 Rugged NUC8CCHKRN Desktop Computer
- Power Adapter
- Quick Start Guide (if included)

If any items are missing or damaged, please contact your retailer or Intel support.

3. PRODUCT OVERVIEW



Figure 1: Front Panel of Intel NUC 8 Rugged NUC8CCHKRN

This image displays the front panel of the Intel NUC 8 Rugged NUC8CCHKRN. On the left, there is a blue USB 3.0 port. On the right, a power button with an illuminated power symbol is visible. The center features a recessed area, possibly for an optional drive or module.

Front Panel Features:

- **USB 3.0 Port:** For connecting high-speed USB devices.
- **Power Button:** To turn the device on or off.
- **Optional Drive Bay:** A recessed area for potential expansion (e.g., M.2 SSD, depending on configuration).

Rear Panel Features (General):

While not pictured, the rear panel typically includes:

- Power Input Jack
- Video Output Ports (e.g., HDMI, DisplayPort)
- Ethernet Port (RJ-45)
- Additional USB Ports
- Audio Jack (if applicable)

4. SETUP GUIDE

1. **Connect Peripherals:** Connect your monitor(s) to the appropriate video output ports on the NUC. Connect a USB keyboard and mouse to the available USB ports.
2. **Connect to Network:** For a wired connection, connect an Ethernet cable from your router or modem to the NUC's Ethernet port. For wireless, you will configure this after initial boot.
3. **Connect Power:** Plug the power adapter into the NUC's power input jack, then plug the other end into a wall outlet.
4. **Power On:** Press the power button on the front panel of the NUC. The power indicator light should illuminate.
5. **Initial Boot and OS Setup:** Follow the on-screen instructions to complete the operating system setup. This model is listed as having Windows 10 pre-installed.

5. OPERATING INSTRUCTIONS

Power On/Off:

- **To Power On:** Press the power button once.
- **To Power Off:**
 - **Standard Shutdown:** Use the operating system's shutdown procedure (e.g., Start > Power > Shut down in Windows). This is the recommended method to prevent data loss.
 - **Force Shutdown:** Press and hold the power button for approximately 4-6 seconds until the device powers off. Use this only if the system is unresponsive.

Connecting to Wi-Fi:

If not using a wired connection, configure Wi-Fi through the operating system's network settings. Select your network and enter the password.

Updating Drivers and Software:

It is recommended to regularly update your operating system, device drivers, and applications to ensure optimal performance and security. Visit the Intel support website for the latest NUC drivers.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the NUC. For stubborn marks, a slightly damp cloth can be used. Avoid abrasive cleaners or solvents. Ensure the device is powered off and unplugged before cleaning.
- **Ventilation:** Ensure that the ventilation openings are not blocked to prevent overheating. Do not place the NUC in an enclosed space without adequate airflow.
- **Software Maintenance:** Regularly run antivirus scans, defragment hard drives (if applicable), and remove unnecessary files to maintain system performance.
- **Data Backup:** Periodically back up important data to an external drive or cloud storage to prevent data loss.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--------------------------------|--|--|
| No power | Power cable not connected, faulty outlet, power adapter issue. | Check power cable connections. Try a different power outlet. Ensure power adapter is functioning. |
| No display on monitor | Monitor not connected, incorrect input source, faulty cable. | Verify monitor cable connection. Select correct input source on monitor. Try a different cable or monitor. |
| System is slow or unresponsive | Too many applications running, insufficient memory, malware. | Close unnecessary applications. Restart the NUC. Run a system scan for malware. Check for system updates. |
| Wi-Fi not connecting | Incorrect password, router issue, driver problem. | Verify Wi-Fi password. Restart router. Check Wi-Fi drivers in Device Manager. |

For further assistance, refer to the Intel support website or contact customer service.

8. SPECIFICATIONS

| Feature | Detail |
|--------------|--------------|
| Brand | Intel |
| Model Number | NUC8CCHKRN |
| Series | NUC 8 Rugged |

| Feature | Detail |
|-----------------------|---|
| Form Factor | Mini PC |
| Processor | Intel Celeron N3350 Dual-core (2 Core) 1.10 GHz |
| RAM | 4 GB DDR4 |
| Memory Speed | 2133 MHz |
| Flash Memory Capacity | 64 GB |
| Hard Drive Interface | NVMe |
| Graphics Coprocessor | Intel HD Graphics 500 |
| Wireless Type | 802.11ac |
| Operating System | Windows 10 |
| Max Screen Resolution | 3840x2160 |
| Package Dimensions | 7.2 x 5.1 x 3.8 inches |
| Color | Black |



9. WARRANTY AND SUPPORT




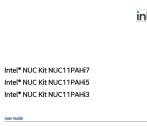
For information regarding product warranty, please refer to the documentation included with your purchase or visit the official Intel support website. Warranty terms and conditions may vary by region and retailer.

For technical support, driver downloads, and additional resources, please visit the official Intel support portal:

[Intel Support Website](#)

Related Documents - NUC8CCHKRN

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|  <p>Intel® NUC Products NUC7CJY/NUC7PJY Technical Product Specification November 2017 (rev. 001)</p> | <p>Intel NUC Products NUC7CJY/NUC7PJY Technical Specification</p> <p>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.</p> |
|  <p>Intel® NUC Kit NUC11PAKi7 Intel® NUC Kit NUC11PAKi5 Intel® NUC Kit NUC11PAKi3 User Guide January 2018</p> | <p>Intel NUC Kit NUC11PAKi Series User Guide</p> <p>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.</p> |

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|  <p>Intel® NUC Kit NUC5CPYH Intel® NUC Kit NUC5PPYH User Guide</p> | <p>Intel NUC Kit NUC5CPYH & NUC5PPYH User Guide: Installation and Setup</p> <p>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.</p> |
|  <p>Intel® NUC Kit NUC6CAYS User Guide</p> <p>Regulatory Model NUC6CAY</p> | <p>Intel NUC Kit NUC6CAYS User Guide</p> <p>User guide for the Intel NUC Kit NUC6CAYS, providing detailed instructions on hardware installation (memory, 2.5" drive), VESA mounting, power connection, Windows 10 setup, driver installation, and operating system recovery procedures.</p> |
|  <p>Intel® NUC Kit NUC5i3RYH Intel® NUC Kit NUC5i5RYH Intel® NUC Kit NUC5i3RYHSN Intel® NUC Kit NUC5i5RYH Intel® NUC Kit NUC5i5RYHS User Guide</p> <p>February 2017</p> | <p>Intel NUC Kit NUC5i3RYH and NUC5i5RYH User Guide</p> <p>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.</p> |
|  <p>Intel® NUC Kit NUC11PAHi7 Intel® NUC Kit NUC11PAHi5 Intel® NUC Kit NUC11PAHi3 User Guide</p> <p>2021-03-01 January 2021</p> | <p>Intel NUC 11 Performance Kit User Guide: Installation and Setup for NUC11PAHi7, NUC11PAHi5, NUC11PAHi3</p> <p>This user guide provides comprehensive step-by-step instructions for installing and setting up Intel NUC 11 Performance Kits, including models NUC11PAHi7, NUC11PAHi5, and NUC11PAHi3. Covers hardware installation, system memory, storage, power connection, and software setup.</p> |