

## NUC7i3BNH - Dual-Core i3 Tall Chassis

### Who said small isn't powerful?

The Simply NUC7i3BNH is able to run multiple applications simultaneously including massive spreadsheets, documents, presentations, and any other small home or office needs you might have as well as streaming video, showing off slideshows, and even voice interaction using Cortana. All of this in a small 4" x 4" x 2" sized package which can mount behind your monitor or be unobtrusively located in plain sight due to its small size. And the active cooling system adjusts as needed to provide quiet during light loads where it isn't needed as much, and barely audible cooling when more is needed.

The Simply NUC7i3BNH is built with the 7th generation Intel® Core™ i3 processor give you the performance to handle anything you throw at it. It is also Intel® Optane™ Memory ready which makes you ready for the future. By easily installing and pairing Intel Optane Memory with high capacity HDD storage media, you get amazing performance and responsiveness as well as shorter boot times, faster application launches, and more responsive browsing. Intel NUC7i3BNH has room for a 2TB HDD, so you have the room to store and backup all your important files.

### New features let you use Windows® 10 to its full potential

The NUC7i3BNH has some cool new features including dual-array front microphones so you can take advantage of Cortana's\* capabilities if you include Windows® 10 with no additional hardware needed. There's also a front power button and a multi-color LED ring so you can personalize the NUC with the look you want, along with 7.1 surround sound via the HDMI\* port to deeply immerse you in your content. You can also listen with headphones via the front microphone/audio jack. The choice is yours.

### Cut the cords, not the Performance

The NUC7i3BNH comes with Intel® 802.11ac wireless, called Gigabit wireless, for connectivity right out-of-the-box. This makes it simple to immediately access files in the cloud, and with built-in Bluetooth\* 4.2, you can connect wireless peripherals like headsets and keyboards.

### Highlighted features

- 7th Gen Intel® Core™ i3
- Intel® HD Graphics 620
- 4GB DDR4 (32GB Max)
- 128GB M.2 SSD (2TB Max)
- Micro SD card slot
- Intel® Optane™ Memory ready
- HDMI 2.0 supporting 4K @ 60Hz
- DisplayPort 1.2 on Type-C port
- Intel® Gigabit LAN
- Intel® Dual Band Wireless
- Bluetooth 4.2
- Four USB 3.0 Ports. One w/Charging
- USB 3.1 Gen 2 Type-C port
- Digital Audio 7.1 Surround Sound
- HD Audio over 3.5mm Headset Jack
- Front panel power button
- Kensington lock support
- 19V DC Jack (12-24v operation)
- Consumer infrared sensor

### Customization

- Two DDR4 SO-DIMM Sockets up to 32 GB
- Internal 2.5 inch SATA Bay
- M.2 slot supports PCi or SSD
- Support functional and colored Lids
- Multi-color front panel LED ring



### Simply NUC Services

You can order this NUC in your various configurations, as well as your corporate OS Image loaded and ready to deploy.

## Technical Specifications

<b>Processor</b> <ul style="list-style-type: none"> <li>Intel® Core™ i3-7100U processor (2.4 GHz, Dual Core, 3 MB Cache, 15W TPD)</li> </ul>	<b>Graphics</b> <ul style="list-style-type: none"> <li>Intel® HD Graphics 620</li> <li>One HDMI 2.0 port</li> <li>USB Type-C port with DisplayPort</li> </ul>	<b>System Memory</b> <ul style="list-style-type: none"> <li>Two DDR4 SO-DIMM sockets (4GB supplied as standard, 32GB Max), 1.2V</li> </ul>
<b>Storage Capabilities</b> <ul style="list-style-type: none"> <li>One M.2 connector supporting 22x42 or 22x80 M.2 SSD (128GB supplied as standard, 2TB Max)</li> <li>Both SATA and PCIe NVMe SSDs supported</li> <li>Micro SDXC slot with UHS-I support on the side</li> </ul>	<b>Peripheral Connectivity</b> <ul style="list-style-type: none"> <li>Intel® Gigabit LAN</li> <li>USB 3.1 Gen 2 Type-C (up to 10 Gb/s)</li> <li>Four SuperSpeed USB 3.0 ports (two back panel ports and two front ports including one charging port)</li> <li>Two additional Hi-Speed USB 2.0 ports via internal header</li> <li>Intel® Dual Band Wireless-AC 8265 (802.11ac), 2x2, up to 867 Mbps</li> <li>Dual Mode Bluetooth 4.2</li> </ul>	<b>System Bios</b> <ul style="list-style-type: none"> <li>64 Mb Flash EEPROM with Intel® Platform Innovation Framework for EFI Plug and Play</li> <li>Advanced configuration and power interface V3.0b, SMBIOS2.5</li> <li>Intel® Visual BIOS</li> <li>Intel® Express BIOS update support</li> </ul>
<b>Audio</b> <ul style="list-style-type: none"> <li>Up to 7.1 surround audio via HDMI</li> <li>Front 3.5mm TRRS audio jack</li> <li>Dual-array microphones built-in</li> </ul>	<b>Baseboard Power Requirements</b> <ul style="list-style-type: none"> <li>19V, 65W wall-mount AC-DC power adapter</li> </ul>	<b>Front Panel Header</b> <ul style="list-style-type: none"> <li>Reset, HDD LED, Power LEDs, power on/off</li> </ul>
<b>Hardware Management Features</b> <ul style="list-style-type: none"> <li>Processor fan speed control</li> <li>Voltage and temperature sensing</li> <li>Fan sensor inputs used to monitor fan activity</li> <li>ACPI-compliant power management control</li> </ul>	<b>Mechanical Chassis Size</b> <ul style="list-style-type: none"> <li>4.53" x 4.37" x 2.01"</li> <li>115 mm x 111 mm x 51 mm</li> </ul>	<b>Expansion Capabilities</b> <ul style="list-style-type: none"> <li>Two Internal USB 2.0 ports via two 1x4 headers (for replaceable lid support)</li> <li>One AUX_PWR header</li> <li>One Consumer Electronics Control header</li> </ul>

## Certification and Regulations

<b>Product Safety Regulations and Standards</b> <ul style="list-style-type: none"> <li>IEC 60950-1</li> <li>UL 60950-1</li> <li>EN 60950-1</li> <li>CAN/CSA-C22.2 No. 60950-1</li> </ul>	<b>EMC/RF Regulations and Standards (Class B)</b> <ul style="list-style-type: none"> <li>CISPR 32</li> <li>FCC CFR Title 47, Chapter I, Part 15, Subparts B, C, E</li> <li>ICES-003</li> <li>EN 55032</li> <li>ETSI EN 300 328</li> <li>ETSI EN 301 489-17</li> <li>EN 62311</li> <li>AS/NZS 2772.2</li> <li>VCCI V-2, V-3, V-4</li> <li>KN-32</li> <li>CNS 13438</li> <li>EN 55024</li> <li>ETSI EN 301 489-1</li> <li>ETSI EN 301 893</li> <li>AS/NZS 4268</li> <li>KN-24</li> </ul>	<b>Environmental Regulations</b> <ul style="list-style-type: none"> <li>RoHS Directive 2011/65/EU</li> <li>WEEE Directive 2012/19/EU</li> <li>China RoHS</li> </ul>
<b>Environment Operating Temp</b> <ul style="list-style-type: none"> <li>0° C to +40° C</li> <li>Non-condensing humidity</li> </ul>	<b>Certified Operating Systems</b> <ul style="list-style-type: none"> <li>Windows 10 64-bit (Pro &amp; Home)</li> <li>Windows 10 IoT Enterprise - (64-bit only) CBB and LTSB</li> <li>Windows Server 2016</li> <li>Various Linux including: Ubuntu, Mint, openSUSE, etc (Contact Simply NUC for specifics)</li> </ul>	
<b>Storage Temperature</b> <ul style="list-style-type: none"> <li>-20° C to +60° C</li> </ul>		