

# Simply NUC



Technology  
Provider  
Platinum

## NUC8i3BEH - Dual-Core i3 Tall Chassis

### Who said small isn't powerful?

The Simply NUC8i3BEH is the latest Dual-Core i3 system in the familiar 4" x 4" x 2" sized package, and is able to run multiple applications and drive multiple 4K displays simultaneously. With the taller chassis design, additional IO and storage can easily be added. 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.

### Built for Business

The Simply NUC8i3BEH is built with an 8th generation Intel® Core™ i3 processor to give you the performance to handle most essential applications at a great price.

The Simply NUC8i3BEH is designed for 24/7 operation and is perfect for refreshing enterprise PCs, Digital Signage, POS terminals, and other continuous use applications.

The Simply NUC8i3BEH also has room for up to a 2TB HDD, or 4TB SSD so you have the room to store and backup all your files.

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

The Simply NUC8i3BEH 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 with multi-color LED so you can personalize the NUC with the look you want, along with 7.1 surround sound via HDMI or USB-C/DisplayPort 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

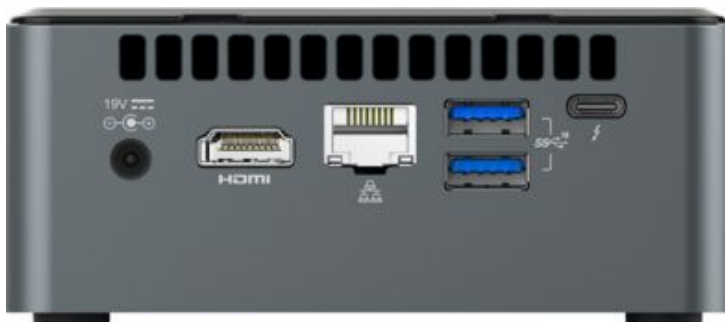
The Simply NUC8i3BEH comes with Intel® 802.11ac wireless, called Gigabit wireless, for connectivity right out-of-the-box. This makes it simple to immediately access files in the cloud, and with built-in Bluetooth 5, you can connect wireless peripherals like headsets and keyboards.

### Highlighted features

- 8th Gen Intel® Core™ i3
- Intel® Iris™ Plus Graphics 655
- 4GB DDR4 (32GB Max)
- 128GB M.2 SSD (2TB Max)
- Intel® Optane™ Memory ready
- MicroSDXC card slot (UHS-I)
- HDMI 2.0a supporting 4K @ 60Hz
- Thunderbolt 3 (supports Alt-DP)
- Intel® Gigabit LAN
- Intel® Dual Band (Gb) Wireless
- Intel® Bluetooth 5
- Five USB 3.1 Gen 2 Ports (10Gb/s) (one charging)
- Digital Audio 7.1 Surround Sound
- Far-field dual-array microphone
- Internal Dual-Band Antennas
- Consumer IR receiver
- Kensington lock support
- 19V DC Jack (12-19V operation)
- VESA Mount Kit

### Customization

- Two DDR4 SO-DIMM Sockets
- M.2 slot supports PCI or SATA SSDs
- 2.5" SATA drive bay
- Two USB 2.0 headers



### 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

<p><b>Processor</b></p> <ul style="list-style-type: none"> <li>Intel® Core™ i3-8109U processor (3.0 GHz with 3.6GHz Turbo, Dual Core, Hyper-thread, 4 MB Cache, 28W TDP)</li> </ul>	<p><b>Graphics</b></p> <ul style="list-style-type: none"> <li>Intel® Iris™ Plus Graphics 655</li> <li>One HDMI 2.0a port</li> <li>USB Type-C port with DisplayPort</li> </ul>	<p><b>System Memory</b></p> <ul style="list-style-type: none"> <li>4GB DDR4-2400 pre-installed.</li> <li>Two DDR4 SO-DIMM sockets, 32GB Max, 1.2V</li> </ul>
<p><b>Storage Capabilities</b></p> <ul style="list-style-type: none"> <li>128GB M.2 SATA pre-installed.</li> <li>One M.2 socket supporting 22x42 or 22x80 M.2 SSDs, SATA or PCIe, 2TB SATA or PCIe SSD Max.</li> <li>Intel® Optane™ Memory ready.</li> <li>One SATA 3 port for connection to 2.5" HDD or SSD up to 9.5mm thick (4TB SSD or 2TB HDD Max)</li> </ul>	<p><b>Peripheral Connectivity</b></p> <ul style="list-style-type: none"> <li>Intel® Gigabit LAN i219-V</li> <li>Four USB 3.1 Gen2 Type-A ports (two back; two front)</li> <li>One USB 3.1 Gen2 Type-C port (back panel)</li> <li>Two additional Hi-Speed USB 2.0 ports via internal header</li> <li>Intel® Dual Band Wireless-AC 9560 (802.11ac), 2x2, up to 1.73 Gbps</li> <li>Bluetooth 5</li> <li>Thunderbolt 3 on USB Type-C port</li> <li>Consumer infrared receiver on front</li> </ul>	<p><b>System Bios</b></p> <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>
<p><b>Audio</b></p> <ul style="list-style-type: none"> <li>Up to 7.1 surround audio via HDMI</li> <li>Front headset jack</li> <li>Dual-array far-field beam-forming microphones in front panel</li> </ul>	<p><b>Baseboard Power Requirements</b></p> <ul style="list-style-type: none"> <li>19V, 90W AC-DC power adapter with detachable power cord.</li> <li>12-19V DC input range</li> <li>International cords available</li> </ul>	<p><b>Front Panel Header</b></p> <ul style="list-style-type: none"> <li>Reset, HDD LED, Power LEDs, power on/off</li> </ul>
<p><b>Hardware Management Features</b></p> <ul style="list-style-type: none"> <li>Trusted Platform Module (TPM) 2.0</li> <li>Voltage and temperature sensing</li> <li>ACPI-compliant power management control</li> <li>Processor fan speed control</li> <li>Fan sensor inputs used to monitor fan activity</li> </ul>	<p><b>Mechanical Chassis Size</b></p> <ul style="list-style-type: none"> <li>4.6" x 4.4" x 2.0"</li> <li>117 x 112 x 51 mm</li> </ul>	<p><b>Expansion Capabilities</b></p> <ul style="list-style-type: none"> <li>Two USB 2.0 ports on two 1x4 headers</li> <li>2.5in drive bay for SATA drive</li> <li>Functional or decorative lid support</li> </ul>

## Certification and Regulations

<p><b>Product Safety Regulations and Standards</b></p> <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>	<p><b>EMC/RF Regulations and Standards (Class B)</b></p> <ul style="list-style-type: none"> <li>CISPR 52</li> <li>FCC CFR Title 47, Chapter I, Part 15, Subparts B, C, E</li> <li>ICES-005</li> <li>EN 55052</li> <li>ETSI EN 500 528</li> <li>ETSI EN 501 489-17</li> <li>EN 62511</li> <li>AS/NZS 2772.2</li> <li>VCCI V-2, V-5, V-4</li> <li>KN-52</li> <li>CNS 15458</li> <li>EN 55024</li> <li>ETSI EN 501 489-1</li> <li>ETSI EN 501 895</li> <li>AS/NZS 4268</li> <li>KN-24</li> </ul>	<p><b>Environmental Regulations</b></p> <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>
<p><b>Environment Operating Temp</b></p> <ul style="list-style-type: none"> <li>0° C to +40° C</li> <li>Non-condensing Humidity</li> </ul> <p><b>Storage Temperature</b></p> <ul style="list-style-type: none"> <li>-20° C to +60° C</li> </ul>	<p><b>Certified Operating Systems</b></p> <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 LTSC</li> <li>Windows Server 2016</li> <li>Various Linux including: Ubuntu, Mint, openSUSE, etc (Contact Simply NUC for specifics)</li> </ul>	