

## Chimney Rock i5 - Intel® Core™ i5-1145G7E vPro®

### Form and Function

Chimney Rock is an ultracompact Long Life NUC that delivers powerful performance for embedded, edge and IoT applications. Featuring the latest 11th Gen Intel® Core™ i5 embedded vPro® processor with Intel® Xe Graphics, and support for high-speed 3200MHz DDR4 memory, Chimney Rock is built to withstand the test of time with a 7-year commitment on supply. This NUC ready to take on demanding workloads providing long term reliability.

### Small Size, Big Performance

Create dynamic digital display installations with Chimney Rock via the HDMI, Display Port and two USB Type-C ports supporting a single 8K display or up to four 4K displays simultaneously. It is also suitable for Intelligent Edge Computing with dual Ethernet with speeds up to 2.5Gb, Wi-Fi 6 (802.11ax) networking ensures.

stable, high-speed data transfers even in crowded networking environments, dual USB-C ports support data and DisplayPort functionality over a single cable. New on-processor Dual-Video Decode Boxes allow the 11th Gen processors to ingest up to 40 simultaneous video streams at 1080p. AI-Inferencing with built-in Vector Neural Network instructions boost deep learning performance.

### Enhanced for IoT

The Intel® Embedded technologies in Chimney Rock have been enhanced specifically for IoT, you'll get optimized performance at every point, practical ways to use artificial intelligence, broad connectivity support, and a built-in foundation of security to help protect your data and systems.

### Highlighted features

- Intel® Core™ i5-1145G7E vPro® CPU
- Intel® Iris® Xe Graphics
- Two DDR4-3200 SO-DIMM Sockets
- M.2 Slot Supports PCIe Gen4 or SATA SSDs
- Secondary M.2 Slot Supports SATA SSDs
- DisplayPort 1.4 (4K@60Hz)
- HDMI 2.0a (4K@60Hz)
- Two DisplayPorts 1.4 via USB-C Ports
- Dual Ethernet:
  - 1x 10/100/1000/2500 Mbps;
  - 1x 10/100/1000 Mbps
- Intel® Wi-Fi 6
- Intel® Bluetooth 5
- Four USB 3.2 Gen 2 Type-A Ports
- Two USB 3.2 Gen 2 Type-C Ports
- Audio Combo Mic In/Line Out
- TPM Down (Infineon 2.0)
- 19VDC 90W Power Supply Adapter
- Kensington Lock Slot
- VESA Mount Kit Included
- Extended Support Service (1-, 3-, 5-yr)

### Customization

- Supports DDR4 RAM 4GB-64GB
- Supports Primary M.2 Gen4 PCIe and SATA SSD 256GB-8TB
- Supports Secondary M.2 SATA SSD 128GB-2TB
- Replaceable Lid
- DIN or VESA Mountable



### 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™ i5-1145G7E vPro® Processor (1.5Ghz@28W, Turbo 4.1Ghz, 4C/8T, 8MB Cache)</li> </ul>	<p><b>Graphics</b></p> <ul style="list-style-type: none"> <li>Intel® Iris® Xe Graphics, up to 1.35GHz</li> <li>DisplayPort 1.4 (Supports up to 4k @60Hz)</li> <li>One HDMI 2.0a port (Supports up to 4k @60Hz)</li> <li>Two USB Type-C Ports with DisplayPort 1.4 (Supports up to 4k @60Hz)</li> </ul>	<p><b>System Memory</b></p> <ul style="list-style-type: none"> <li>Two DDR4-3200 SO-DIMM sockets, 64GB Max, 1.2V</li> </ul>
<p><b>Storage Capabilities</b></p> <ul style="list-style-type: none"> <li>M.2 Socket Supporting 22x80 M.2 SSDs, SATA or Gen4 PCIe, 8TB Max</li> <li>Secondary M.2 Socket Supporting 22x80 M.2 SSDs, SATA, 2TB Max</li> </ul>	<p><b>Peripheral Connectivity</b></p> <ul style="list-style-type: none"> <li>10/100/1000/2500 Mbps</li> <li>10/100/1000 Mbps RJ45 Ethernet</li> <li>Four USB 3.2 Gen 2 Type-A Ports</li> <li>Two USB 3.2 Gen 2 Type-C Ports</li> <li>One HDMI 2.0a Port</li> <li>One DisplayPort 1.4</li> <li>Intel® Wi-Fi 6 AX200 (802.11ax) with Bluetooth 5</li> </ul>	<p><b>Mechanical Chassis Size</b></p> <ul style="list-style-type: none"> <li>4.5" x 4.5" x 1.9"</li> <li>115 x 115 x 49 mm</li> </ul>
<p><b>Audio</b></p> <ul style="list-style-type: none"> <li>Up to 7.1 Surround via HDMI</li> <li>Front Audio: Mic In/Line Out</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 Supplied</li> <li>12V<sub>DC</sub> to 19V<sub>DC</sub> Input Power Range</li> </ul>	<p><b>Expansion Capabilities</b></p> <ul style="list-style-type: none"> <li>M.2 Socket for SATA Drive</li> <li>Replacable Lid</li> <li>Two USB 2.0 Headers</li> <li>One Serial Header</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</b></p> <ul style="list-style-type: none"> <li>FCC CFR Title 47, Chapter I, Part 15, Subparts B, C, E</li> <li>EN 55052</li> <li>EN 55024</li> <li>CISPR 32</li> <li>ICES-003</li> <li>ETSI EN 300 328</li> <li>ETSI EN.301 489-1</li> <li>ETSI EN.301 893</li> <li>EN 62511</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> </ul>
<p><b>Environment Operating Temp</b></p> <ul style="list-style-type: none"> <li>0° C to +60° C</li> <li>Non-Condensing Humidity</li> </ul>		<p><b>Certified Operating Systems</b></p> <ul style="list-style-type: none"> <li>Windows 10 Pro, Home, IoT</li> <li>Linux (Fedora)</li> </ul>