

## Chimney Rock v5 - Long Life NUC LLN11GRv5

### 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 is 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
- Intel® vPro® Technology
- Intel® Iris® Xe Graphics
- 2x DDR4-3200 SO-DIMM Sockets
- 1x M.2 22x80 M-Key x4 PCIe Supporting up to Gen3 NVMe Drives (NVMe/SATA)
- 1x M.2 22x80 M-Key x4 PCIe Supporting SATA SSDs
- 1x HDMI 2.0b
- 1x DisplayPort 1.4
- 2x USB-C 3.2 Gen2 (Alt-DP)
- 1x Realtek 1Gb LAN
- 1x Realtek 2.5Gb LAN
- Intel® Wi-Fi 6 + Bluetooth 5.0
- 4x USB-A 3.2 Gen2
- 1x 3.5mm Stereo Headset Jack
- 7.1 Multichannel Digital Audio via HDMI & DisplayPort
- TPM (Infineon 2.0)
- VESA Mounting Plate
- 19V, 90W Power Supply Included
- Extended Service Support (5-year)

### Customization

- Memory Supports 4GB to 64GB
- Primary storage up to 8TB Gen3 NVMe or 2TB SATA SSD
- Secondary storage up to 2TB SATA SSD
- Replaceable lid for I/O expansion
- OS Options: Windows 10 Home & Pro, Windows Server 2019, Ubuntu



### 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 Specification

### Processor

- Intel® Core™ i5-1145G7E (1.5Ghz@28W, 3.9Ghz Turbo 4.1Ghz, 4C/8T 8MB Cache)

### Graphics

- Intel® Iris® Xe Graphics, up to 1.35GHz
- 4x 4K Displays Supported via
  - 1x HDMI 2.0a
  - 1x DisplayPort 1.4
  - 2x USB-C With Alt-DP

### System Memory

- Dual DDR4-3200 SODIMM Sockets, 1.2V, 64GB Max

### Storage Capabilities

- 1x M.2 22x80 M-Key slot supporting NVMe x4 PCIe (256GB to 8TB) and SATA SSD (256GB to 2TB)
- 1x M.2 22x80 M-Key supporting SATA SSD (256GB to 2TB)

### Peripheral Connectivity

- Intel® Wi-Fi 6 AX200 (802.11ax)
- Bluetooth 5.0
- 1x Realtek 2.5Gb LAN
- 1x Realtek 1Gb LAN
- 4x USB-A 3.2 Gen2 Ports

### Baseboard Power Requirements

- 12V-19V Input Range
- 19V 90W PSU with region-specific power cord supplied

### Audio

- Up to 7.1 Surround via HDMI
- Front Audio: Mic In/ Line Out

### Expansion Options

- M.2 Socket for SATA Drive
- Replaceable Lid
- Two USB 2.0 Headers
- One Serial Header

### Chassis Information

- 115mm x 115mm x 49 mm
- VESA Mount Compatible

## Certifications and Regulation

### Safety Regulations and Standards

- IEC 62368-1
- EN 62368-1
- CAN/CSA 62368-1

### EMC/RF Regulations & Standards

- FCC CFR Title 47, Chapter I, Part 15, Subpart B
- EN 55024
- EN 55032
- EN 55035
- CISPR 32
- ICES-003
- ETSI EN.301 489-1
- ETSI EN.301 489-17

### Environmental Regulations

- RoHS Compliant
- REACH Compliant

### Environmental Operating Temp

- 0°C to +60°C
- Non-Condensing Humidity

### Certified Operating Systems

- Windows 10 64-bit (Pro and Home)
- Windows 10 IoT
- Linux (Ubuntu)