

Chimney Rock v7 - Long Life NUC LLN11CRv7

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™ i7 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™ i7-1185G7E
- 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™ i7-1185G7E (1.8Ghz@28W, 3.9Ghz Turbo 4.4Ghz, 4C/8T 12MB 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 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)