

Chimney Rock Celeron - Long Life NUC LLN11CRCJ

Form and Function

Chimney Rock is an ultra-compact Long Life NUC featuring the latest 11th Gen Intel® Celeron® embedded processor with Intel® UHD Graphics, supporting high-speed 3200MHz DDR4 memory that delivers powerful performance for embedded, edge and IoT applications. Chimney Rock is built to withstand the test of time with a 7-year commitment to supply, giving you the long-term reliability your project needs.

Small Size, Big Performance

Create dynamic Digital Signage installations with Chimney Rock via the HDMI and DisplayPort supporting up to three 4K displays simultaneously. It is also greatly suited for Intelligent Edge Computing with dual 1 Gb Ethernet Ports & Wi-Fi 6 (802.11ax) networking to ensure

stable, high-speed data transfer even in crowded networks. Dual USB-C ports support large data over a single cable giving you the versatility you need. Chimney Rock has the I/Os you need to succeed, from its 4x USB-A & 2x USB-C ports to its HDMI, full-size DisplayPort & Dual 1Gb LAN ports. Pair this with the optional I/O Lids & Chimney Rock has a port for every occasion.

Enhanced for IoT

The Intel® Embedded technologies in Chimney Rock have been enhanced specifically for IoT, giving you practical ways to use artificial intelligence, broad connectivity support, and provides a built-in foundation of security to protect and optimized performance.

Highlighted Features

- Intel® Celeron® J6412
- Intel® UHD Graphics
- 2x DDR4-3200 SO-DIMM Sockets
- 1x M.2 22x80 M-key supporting NVMe x4 PCIe or SATA SSDs
- 1x M.2 22x80 M-Key Supporting SATA SSDs
- 1x HDMI 2.0b, 4K @ 60Hz
- 1x DisplayPort 1.4, 4K @ 60Hz
- 2x Realtek 1Gb LAN Ports
- Intel® Wi-Fi 6
- Bluetooth 5.0
- 2x USB 3.2 Gen2 Type-A
- 2x USB 3.2 Gen2 Type-C
- 2x USB 2.0 Type-A
- 1x 3.5mm Stereo Headset Jack
- 7.1 Multichannel Digital Audio via HDMI & DisplayPort
- TPM Down (Infineon 2.0)
- VESA Mounting Plate
- Extended Service Support (1-, 3-, 5-year)

Customization

- Memory Supports 4GB to 64GB
- Primary Storage supports 256GB to 8TB
- Secondary Storage supports 256GB to 2TB
- Expansion Lids Available
- Windows 10, 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® Celeron J6412, 2.0GHz to 2.6GHz Burst, 4C/4T, 1.5MB L2 Cache, 10W

Graphics

- Intel® UHD Graphics up to 800Hz
- 3x 4K Displays Supported
 - 1x HDMI 2.0b
 - 1x DisplayPort 1.4 Supporting Dual 4K @ 60Hz

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
- 2x Realtek 1Gb LAN Ports (RTL8111G)
- 1x Front USB 3.2 Gen2 Type-A
- 1x Rear USB 3.2 Gen2 Type-A
- 2x Front USB 3.2 Gen2 Type-C
- 1x Front USB 2.0 Type-A
- 1x Rear USB 2.0 Type-A

Baseboard Power Requirements

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

Audio

- 3.5mm front stereo headset jack
- 7.1 multichannel digital audio via HDMI & DisplayPort

Security Features

- TPM (Infineon 2.0)

Expansion Options

- Secondary M.2 Socket on the base plate connected via SATA
- 2x USB 2.0 Headers
- 1x Serial Header
- Expansion Lids Available

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 Entry
- Linux (Ubuntu)