Chimney Rock Porcoolpine
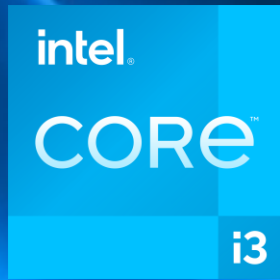
Simply NUC 11th Generation Long Life NUC – LLN11CRFi3

Chimney Rock Porcoolpine i3

Simply NUC 11th Generation Long Life NUC – LLN11CRFi3

Stay Cool, Clean, and Silent

The LLN11CRF, built with 11th Gen Intel® Core™ embedded processors, Intel® UHD Graphics, and fanless "Porcoolpine" chassis, delivers performance and innovation for small spaces and embedded solutions without the use of a blower or fan. Whether you're creating a digital kiosk, deploying intelligent vending, or refreshing enterprise PCs, the LLN11CRF is built to withstand the test of time with a 7-year commitment on supply. With the option of Intel® Wi-Fi 6 and Bluetooth 5 and the ability to run Windows® 10, or Linux, the LLN11CRF provides the flexibility to build the exact solution your situation needs.

I/O Performance and Flexibility

The LLN11CRF Fanless PC has some new features including, dual Ethernet with speeds up to 2.5 Gbps. Support up to a single 8K display or quad brilliant 4K displays at 60Hz with Chimney Rock Porcoolpine via the HDMI, Display Port and two USB Type-C ports. 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. Porcoolpine allows for additional expansion I/O if more USBs, Ethernet or Serial ports are needed. We can configure to your specific needs. And Porcoolpine is tested for 24/7 operation ensuring solutions that are built to last.

Safe and Secure

Built-in hardware-enhanced security means you can keep data and credentials secure, making the LLN11CRF perfect for installations such as unattended digital kiosks and intelligent vending. This hardware offers Trusted Platform Module (TPM) 2.0 which addresses the growing concern over boot process integrity and offers better data protection. In addition you can physically lock down your LLN11CRF via the built-in Kensington lock or an optional locking VESA mount kit available from Simply NUC.

Features

- 11th Gen Intel® Core™ i3-1115G4E
- Intel® UHD Graphics
- 2x DDR4-3200 SO-DIMM Sockets
- 1x M.2 22x80 M-key supporting PCIe x4 Gen 4 NVMe or SATA SSDs
- 2.5" drive bay supporting SATA SSDs
- 1x HDMI 2.0b
- 1x DisplayPort 1.4
- 2x USB 3.2 Gen2 Type-C (Alt-DP)
- 1x 2.5Gb LAN
- 1x 1.0Gb LAN
- 4x USB 3.2 Gen2 Type-A
- 1x USB 2.0 Type-A
- 1x Serial Port
- 7.1 multichannel digital audio via HDMI
- 3.5mm stereo headset jack
- VESA mount included
- Fanless
- 19V 65W Power supply included
- Extended service support (5-year)

Customization

- Primary storage up to 8TB Gen4 NVMe or 2TB SATA SSD
- Secondary 2.5" drive up to 8TB SATA
- Memory up to 64GB
- Front panel expansion (dual-LAN)
- OS options: Windows 10-11 Home & Pro, Windows IoT, Ubuntu

Technical Specification

Processor	Intel® 11th Gen Core™ i3-1115G4E	2C/4T	2.2GHz – 3.9GHz Turbo	6MB Intel® Smart Cache	28W TDP
Graphics	Intel® UHD Graphics	4x 4K displays supported via 1x HDMI 2.0b + 1x DisplayPort 1.4 + 2x USB Type-C (Alt-DP)
Memory	Dual DDR4-3200 SODIMMs, 1.2V, up to 64GB
Storage	1x M.2 22x80 socket supporting PCIe x4 Gen 4 NVMe from 128GB to 8TB or SATA SSD from 128GB to 2TB	1x 2.5" drive bay supporting 2.5 Inch SATA SSDs from 64GB to 8TB
Peripherals	Intel Wi-Fi 6 AX201	Bluetooth 5.1	1x 2.5Gb LAN	1x 1.0 Gb LAN	2x Front USB 3.2 Gen2 type-A	2x Rear USB 3.2 Gen2 type-A	2x Front USB 3.2 Gen2 type-C	1x Rear serial port
Chassis	190x102x76mm	VESA mount kit support	1.5kg (3.4lbs) fully-assembled with Antennas (no 2.5in drive or power adapter)
Expansion	2x USB 2.0 headers	1x Serial header	Front slot for I/O expansion	2.5" drive mount for SATA drive
Audio	3.5mm front stereo headset jack	7.1 multichannel digital audio via HDMI
Power	12-19V$_{DC}$ variable DC input	65W 19V PSU supplied

Certifications and Regulations

Safety Regulations and Standards	IEC 62368-1	EN 62368-1	UL 62368-1	CUL/CSA 62368-1
EMC/RF Regulations & Standards	FCC CFR Title 47, Chapter I, Part 15, Subparts. 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
Certified Operating Systems	Windows 11 64-bit (Pro and Home)	Windows 10 64-bit (Pro and Home)	Windows 10 IoT	Linux (Ubuntu)
Environmental Operating Temp etc.	0°C to +40°C