Chimney Rock i3 – Intel® Core™ i3-1115G4E

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™ i3 embedded processor with Intel® UHD 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™ i3-1115G4E CPU
- Intel® UHD 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

Processor
• Intel® Core™ i3-1115G4E
  Processor (2.2Ghz@28W,
  3.9Ghz Turbo 4.4Ghz, 2C/4T
  6MB Cache)

Storage Capabilities
• M.2 Socket Supporting 22x80
M.2
  SSDs, SATA or Gen4 PCIe,
  8TB Max
• Secondary M.2 Socket
Supporting
  22x80 M.2 SSDs, SATA, 2TB Max

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

Graphics
• Intel® UHD Graphics, up to 1.25GHz
• DisplayPort 1.4 (Supports up to 4k @60Hz)
• One HDMI 2.0a port (Supports up to 4k
  @60Hz)
• Two USB Type-C Ports with DisplayPort 1.4
  (Supports up to 4k @60Hz)

Peripheral Connectivity
• 10/100/1000/2500 Mbps
• 10/100/1000 Mbps RJ45 Ethernet
• Four USB 3.2 Gen 2 Type-A Ports
• Two USB 3.2 Gen 2 Type-C Ports
• One HDMI 2.0a Port
• One DisplayPort 1.4
• Intel® Wi-Fi 6 AX200 (802.11ax)
  with Bluetooth 5

Baseboard Power Requirements
• 19V, 90W AC-DC Power Adapter
  with Detachable Power Cord Supplied
• $12V_{DC}$ to $19V_{DC}$ Input Power Range

System Memory
• Two DDR4-3200 SO-DIMM
  sockets, 64GB Max, 1.2V

Mechanical Chassis Size
• 4.5" x 4.5" x 1.9"
• 115 x 115 x 49 mm

Expansion Capabilities
• M.2 Socket for SATA Drive
• Replacable Lid
• Two USB 2.0 Headers
• One Serial Header

Certification and Regulations

**Product Safety Regulations and
Standards**
• IEC 60950-1
• UL 60950-1
• EN 60950-1
• CAN/CSA-C22.2 No. 60950-1

Environment Operating Temp
• 0° C to +60° C
• Non-Condensing Humidity

EMC/RF Regulations and Standards
• FCC CFR Title 47, Chapter I, Part 15, Subparts
  B, C, E
• EN 55052
• EN 55024
• CISPR 32
• ICES-003
• ETSI EN 300 328
• ETSI EN.301 489-1
• ETSI EN.301 893
• EN 62511

Environmental Regulations
• RoHS Directive 2011/65/EU
• WEEE Directive 2012/19/EU

Certified Operating Systems
• Windows 10 Pro, Home, IoTe
• Linux (Fedora)