



ONYX



Designed by SNUC

ONYX Tall SKUs

NUC130Xv9 (vPro)

NUC130Xi7

NUC130Xi5

ONYX Slim SKUs

NUC130XKv9 (vPro)

NUC130XKi7

NUC130XKi5

MOTHERBOARD SKUs

NUC130XBv9 (vPro)

NUC130XBi7

NUC130XBi5

Introduction

Unmatched Performance for Modern Business

Onyx is the latest and greatest in ultra-small form factor compute power from SNUC, driving unmatched performance for modern business from the desk to the edge to the cloud and back.

Powered by Intel's 13th Gen Raptor Lake 45W processors and kept cool with SNUC's Dual Exhaust Cooling solution, the Onyx NUC features a Core i9 option on the high-end, a new performance level never achieved before in a 4x4 chassis.

With support for up to 96GB of DDR5-5200 memory, up to 16TB of storage, and off-the-charts benchmark results, Onyx delivers all the power, without the tower.

Onyx – Defined by You, Built for You

Onyx may be a SNUC product, but it was defined by our customers, and built to meet your needs, with key features like dual HDMI 2.1, dual USB 4.0 Type-C, and a 2.5Gb Ethernet port to name a few.

The Onyx NUC gives you the ability to expand its feature set to match your specific usage needs, with a rear I/O expansion panel and a replaceable lid, giving you a plethora of additional I/O options such as USB, HDMI, LAN, or serial ports. From office workstations, to on-prem heavy edge computing, to robotics and sophisticated IoT networks, Onyx NUC has the flexibility and performance options to perfectly serve your usage requirements.

Performance with Uncompromised Security and Reliability

Powered by Intel's 13th Gen Raptor Lake "H" series processors, featuring up to 14 cores and 20 threads, Onyx packs outsized performance into a small chassis.

Raptor Lake processors feature Intel Thread Director, using machine learning to schedule tasks on the right core at the right time, preventing background tasks from slowing you down, and keeping the focus on the primary workload.

Select Onyx SKUs also feature Intel vPro technology allowing for remote management of your 24x7 tested computer fleet and secure communications across networks. Upgrade to Onyx NUC today, and enjoy uncompromised and highly reliable processing power.



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Tech Specs

Ram

Dual DDR5-5600 SODIMMs 1.2V | 64GB
Max

Storage

1x M.2 22x80 socket supporting PCIe
x4 Gen4 NVMe from 128GB to 8TB or
SATA SSD from 128GB to 2TB | 1x 2.5"
bay supporting SATA SSDs (128GB to
8TB) (Tall Chassis Only)

I/O

2x HDMI 2.1 (TMDS)
2x USB 4 Type-C (Alt-DP)
Intel® Wi-Fi 6E + Bluetooth 5.2
1x Intel 2.5Gb LAN
2x USB 4 Type-C
3x USB 3.2 Gen2 Type-A
1x USB 2.0 Type-A
3.5mm stereo headset jack
Kensington lock support

Networking

Intel Wi-Fi 6E AX210 + Bluetooth 5.2 |
1x Intel 2.5Gb LAN (i225-V)

Display

4x 4K Displays Supported

Power

12-24VDC Input Supply Range | 19VDC,
120W Power Supply Included

Temperature Range

0°C to +40°C | Non-Condensing
Humidity

Misc:

N/A

In-box Peripherals

Power supply adapter with
geo-specific AC cord (IEC C5).
Quick Start Guide.
VESA Mount.

Dimensions

Tall "H" Chassis: 117x112x54mm
Slim "K" Chassis :117x112x37mm
Motherboard "B": 117 x 112 x 25.5 mm

Operating System

Windows 11 (Pro and Home) |
Windows IoT | Linux (Ubuntu)

Certification & Regulation

J62368-1 (2020) | GB 17625.1-2012 | GB
4943.1-2011 | GB/T 9254.1-2021 (Class
A) | UL 62368-1: 2019 | EN IEC
62368-1:2020
FCC CFR Title 47, Chapter I, Part15,
Subparts C | ETSI EN 301 489-1 V2.2.3
(2019-11) | Draft ETSI EN 301 489-17
V3.2.5 (2022-08) | EN 55032:2015 | EN
55035:2017 | EN IEC 61000-3-2:2019 |
EN 61000-3-3:2013 | ETSI EN 300 328
V2.2.2 (2019-07) | EN 61000-3-3:2013
RoHS Compliant | REACH Compliant

Warranty

Extended service support (3-year)

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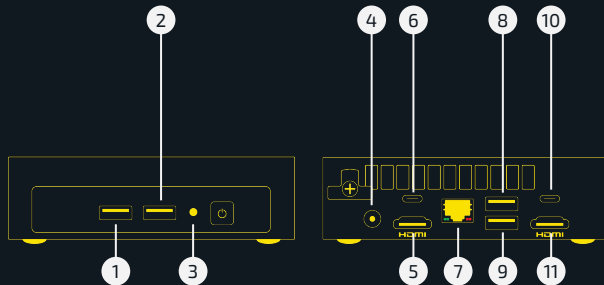
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Intel® Core™
i9-13900H
Processor

Intel® Core™
i7-13700H
Processor

Intel® Core™
i5-13500H
Processor

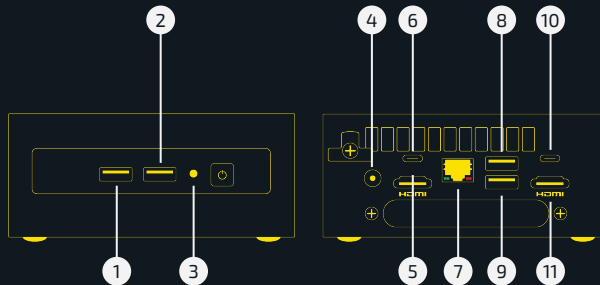
I/O & Dimensions



1	USB 2.0 Type-A	FRONT
2	USB 3.2 Gen2 Type-A	
3	3.5mm stereo headset jack	

4	DCIN	8	USB 3.2 Gen2 Type-A	REAR
5	HDMI 2.1 (TMDS)	9	USB 3.2 Gen2 Type-A	
6	USB 4 Type-C (Alt-DP)	10	USB 4 Type-C (Alt-DP)	
7	Intel 2.5Gb LAN	11	HDMI 2.1 (TMDS)	

ONYX Slim Dimensions 117 x 112 x 37mm



1	USB 2.0 Type-A	FRONT
2	USB 3.2 Gen2 Type-A	
3	3.5mm stereo headset jack	

4	DCIN	8	USB 3.2 Gen2 Type-A	REAR
5	HDMI 2.1 (TMDS)	9	USB 3.2 Gen2 Type-A	
6	USB 4 Type-C (Alt-DP)	10	USB 4 Type-C (Alt-DP)	
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