

ASUS ROG NUC RNUC15JNK9X28AA3 Intel Core Ultra 9 275HX 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5080 Windows 11 Home Mini PC Black

Brand : ASUS

Product family: ROG

Product code: 90AS00I1-M000B0

Product name :
RNUC15JNK9X28AA3

- Windows 11 Home 64-bit
 - Intel Core Ultra 9 275HX (36MB Cache)
 - NVIDIA GeForce RTX 5080
 - 32GB (6400MHz) DDR5-SDRAM (2 x 16) & 2000GB SSD
- Intel Core Ultra 9 275HX (36MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, Intel Graphics, NVIDIA GeForce RTX 5080, LAN, WLAN, Bluetooth, Windows 11 Home 64-bit

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Gaming Redefined Power Meets Precision

Unlock new gaming horizons with ROG NUC (2025), powered by the Intel® Core™ Ultra processors (Series 2) ARL-HX and up to NVIDIA® GeForce RTX™ 5080 Laptop GPU. Equipped with triple fan cooling and support for four 4K displays, this compact powerhouse delivers unprecedented performance.



Processor		Graphics	
Processor manufacturer *	Intel	On-board graphics card family	Intel Graphics
Processor family *	Intel Core Ultra 9	On-board graphics card model *	Intel Graphics
Processor generation	Intel Core Ultra (Series 2)	Network	
Processor model *	275HX	Ethernet LAN *	✓
Processor cores	24	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Processor threads	24	Cabling technology	10/100/1000Base-T(X)
Processor boost frequency	5.4 GHz	Wi-Fi *	✓
Performance cores	8	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Efficient cores	16	Wi-Fi standards	Wi-Fi 7 (802.11be)
Performance-core Max Turbo Frequency	5.4 GHz	WLAN controller manufacturer	Intel
Efficient-core Max Turbo Frequency	4.6 GHz	WLAN controller model	Intel Wi-Fi 7 BE200
Performance-core base frequency	2.7 GHz	Bluetooth	✓
Efficient-core base frequency	2.1 GHz	Bluetooth version	5.4
Processor cache	36 MB	Ports & interfaces	
Processor base power	55 W	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Maximum turbo power	160 W	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6
Neural processor unit (NPU)		Intel® Thunderbolt 4	✓
Neural processor unit (NPU)	Intel AI Boost	Thunderbolt 4 ports quantity	1
Sparsity support	✓	HDMI ports quantity *	2
Windows Studio effects support	✓	HDMI version	2.1
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	DisplayPorts quantity	2
Total processor performance up to	36 TOPs		

Neural processor unit (NPU)		Ports & interfaces	
NPU performance up to	13 TOPs	DisplayPort version	1.4a
GPU performance up to	8 TOPs	Ethernet LAN (RJ-45) ports	1
Memory		Combo headphone/mic port	✓
Internal memory *	32 GB	DC-in jack	✓
Maximum internal memory *	96 GB	Number of rear USB ports	5
Internal memory type	DDR5-SDRAM	Number of front USB ports	3
Memory layout (slots x size)	2 x 16 GB	Design	
Memory clock speed	6400 MHz	Chassis type *	Mini PC
Storage		Placement supported	Horizontal/Vertical
Total storage capacity *	2 TB	Cable lock slot	✓
Storage media *	SSD	Cable lock slot type	Kensington
Optical drive type *	✗	Product colour *	Black
Total SSDs capacity	2 TB	Performance	
NVMe	✓	Market positioning	Gaming
SSD form factor	M.2	Product type *	Mini PC
Graphics		Software	
Discrete graphics card *	✓	Operating system architecture	64-bit
Discrete GPU manufacturer	NVIDIA	Operating system installed *	Windows 11 Home
On-board graphics card *	✓	Weight & dimensions	
Discrete graphics card model *	NVIDIA GeForce RTX 5080	Width *	282.4 mm
Number of discrete graphics cards	1	Depth *	187.7 mm
On-board GPU manufacturer	Intel	Height *	56.5 mm
		Weight *	3.12 kg
		Package width	478 mm
		Package depth	584 mm
		Package height	293 mm
		Package weight	5.86 kg
		Display	
		Display included *	✗



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Catalog Object Cloud



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