

ASUS ROG NUC RNUC15JNK9X28AA2 Intel Core Ultra 9 275HX 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5080 Windows 11 Home USFF Mini PC Black

Brand : ASUS

Product family: ROG

Product code: 90AS00I1-M00090

Product name :
RNUC15JNK9X28AA2

- Windows 11 Home 64-bit
- Intel Core Ultra 9 275HX (36MB Cache)
- NVIDIA GeForce RTX 5080 (16GB GDDR7)
- 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 (16GB GDDR7), 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	Discrete graphics memory type	GDDR7
Processor family *	Intel Core Ultra 9	Number of discrete graphics cards	1
Processor generation	Intel Core Ultra (Series 2)	On-board GPU manufacturer	Intel
Processor model *	275HX	On-board graphics card family	Intel® Graphics
Processor cores	24	On-board graphics card model *	Intel® Graphics
Processor threads	24	Network	
Processor boost frequency	5.4 GHz	Ethernet LAN *	✓
Performance cores	8	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Efficient cores	16	Cabling technology	10/100/1000Base-T(X)
Performance-core Max Turbo Frequency	5.4 GHz	Wi-Fi *	✓
Efficient-core Max Turbo Frequency	4.6 GHz	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Performance-core base frequency	2.7 GHz	Wi-Fi standards	Wi-Fi 7 (802.11be)
Efficient-core base frequency	2.1 GHz	Bluetooth	✓
Processor cache	36 MB	Bluetooth version	5.3
Processor base power	55 W	Ports & interfaces	
Maximum turbo power	160 W	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6
Neural processor unit (NPU)		USB 3.2 Gen 2x2 Type-C ports quantity	1
Neural processor unit (NPU)	Intel AI Boost	Intel® Thunderbolt 4	✓
Sparsity support	✓	Thunderbolt 4 ports quantity	1
Windows Studio effects support	✓	HDMI ports quantity *	2
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	HDMI version	2.1
Total processor performance up to	36 TOPs		

Neural processor unit (NPU)		Ports & interfaces	
NPU performance up to	13 TOPs	DisplayPorts quantity	2
GPU performance up to	8 TOPs	DisplayPort version	2.1
Memory		Ethernet LAN (RJ-45) ports	1
Internal memory *	32 GB	Headphone outputs	1
Maximum internal memory *	96 GB	DC-in jack	✓
Internal memory type	DDR5-SDRAM	Design	
Memory layout (slots x size)	2 x 16 GB	Chassis type *	USFF
Memory clock speed	6400 MHz	Volume	2.5 L
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	
SSD interface	PCI Express 4.0	Market positioning	Gaming
SSD form factor	M.2	Audio chip	Realtek ALC3251
Graphics		Product type *	Mini PC
Discrete graphics card *	✓	Software	
Discrete GPU manufacturer	NVIDIA	Operating system architecture	64-bit
On-board graphics card *	✓	Operating system installed *	Windows 11 Home
Discrete graphics card model *	NVIDIA GeForce RTX 5080	Weight & dimensions	
Discrete graphics card memory	16 GB	Width *	282.4 mm
		Depth *	187.7 mm
		Height *	56.5 mm
		Weight *	3.12 kg
		Display	
		Display included *	✗



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Catalog Object Cloud



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