

ASUS ROG RNUC16JNK9X289AU Intel Core Ultra 9 290HX Plus 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Windows 11 Home Mini PC Black

Brand : ASUS

Product family: ROG

Product code: 90AS00S1-M00260

Product name :
RNUC16JNK9X289AU

- Windows 11 Home 64-bit
- Intel Core Ultra 9 290HX Plus (36MB Cache)
- NVIDIA GeForce RTX 5080 (16GB GDDR7)
- 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD

Intel Core Ultra 9 290HX Plus (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, Intel Graphics, NVIDIA GeForce RTX 5080 (16GB GDDR7), LAN, WLAN, Bluetooth, Windows 11 Home 64-bit

ASUS ROG RNUC16JNK9X289AU Intel Core Ultra 9 290HX Plus 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Windows 11 Home Mini PC Black:

Compact, Powerful, Beyond Limits

Meet ROG NUC 16—a mini PC that redefines performance in a compact form factor. ROG NUC 16 leverages the power of the latest Intel® processors and NVIDIA® graphics to unleash immersive, ray-traced worlds with unmatched precision. Featuring a triple-fan cooling system and dual-vapor-chamber architecture, and rigorously tested for durability and reliability, the ROG NUC 16 delivers battle-ready performance without compromises. Plus, it can be stood upright or placed horizontally, so it fits any setup.



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)	Performance	
Processor model *	290HX Plus	Market positioning	Gaming
Processor cores	24	Motherboard chipset	Intel HM870
Processor threads	24	Product type *	Mini PC
Processor boost frequency	5.5 GHz	Network	
Performance cores	8	Ethernet LAN *	✓
Efficient cores	16	Ethernet LAN data rates	10,100,1000 Mbit/s
Efficient-core Max Turbo Frequency	4.7 GHz	Wi-Fi *	✓
Processor cache	36 MB	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Processor cache type	Smart Cache	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor socket	BGA 2114	WLAN controller manufacturer	Intel
Processor base power	55 W	WLAN controller model	Killer Wi-Fi BE1750x
Maximum turbo power	160 W	Bluetooth	✓
Neural processor unit (NPU)		Bluetooth version	5.4
Neural processor unit (NPU)	Intel AI Boost	Ports & interfaces	
Total processor performance up to	36 TOPs	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6
NPU performance up to	13 TOPs	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
GPU performance up to	8 TOPs	Intel® Thunderbolt 4	✓
Memory			
Internal memory *	32 GB		
Maximum internal memory *	128 GB		

Memory		Ports & interfaces	
Internal memory type	DDR5-SDRAM	Thunderbolt 4 ports quantity	1
Memory layout (slots x size)	2 x 16 GB	DisplayPorts quantity	1
Memory slots	2x SO-DIMM	DisplayPort version	2.1
Memory clock speed	5600 MHz	HDMI ports quantity *	2
Storage		HDMI version	2.1
Total storage capacity *	1 TB	Ethernet LAN (RJ-45) ports	1
Storage media *	SSD	Combo headphone/mic port	✓
Optical drive type *	✗	DC-in jack	✓
Total SSDs capacity	1 TB	Power	
Number of SSDs installed	1	Power supply *	380 W
SSD capacity	1 TB	Design	
SSD interface	PCI Express 4.0	Chassis type *	Mini PC
NVMe	✓	Cable lock slot	✓
SSD form factor	M.2	Cable lock slot type	Kensington
Graphics		Product colour *	Black
Discrete graphics card *	✓	Introduction year	2026
Discrete GPU manufacturer	NVIDIA	Software	
On-board graphics card *	✓	Operating system architecture	64-bit
Discrete graphics card model *	NVIDIA GeForce RTX 5080	Operating system installed *	Windows 11 Home
Discrete graphics card memory	16 GB	Display	
Discrete graphics memory type	GDDR7	Display included *	✗
On-board GPU manufacturer	Intel	Weight & dimensions	
		Width *	282.4 mm
		Depth *	189.5 mm
		Height *	56.5 mm
		Weight *	3.12 kg



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Catalog Object Cloud



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