



MSI Codex R2 AI B2NVL5-445US PC Intel Core Ultra 5 225 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Windows 11 Pro Desktop Black

Brand : MSI

Product family: Codex

Product code: CODEX R2 AI B2NVL5-445US

Product name : CODEX R2 AI B2NVL5-445US



Intel Core Ultra 5 225 (20MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, Intel Graphics, NVIDIA GeForce RTX 5060 (8GB GDDR7), LAN, WLAN, Bluetooth, Windows 11 Pro

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GAMING STARTS HERE - With the brand new CODEX R2 AI B2NVL5-466US Gaming Desktop, a sleek & compact gaming desktop featuring the latest hardware and technology, it delivers extraordinary gaming performance to wield your gaming power. Everyone has to start somewhere, whether you are climbing ELO or getting your first win. MSI wants you to have the perfect desktop to start your gaming journey. The CODEX R2 AI 14 Gen Intel® Ultra 5 225 desktop is optimized to provide generous and effective airflow for system cooling. The two pre-installed 120mm fans mounted at the front bring in cold air from the well-ventilated front panel, while the third pre-installed 120mm fan at the back serves as an exhaust to rid of the built-up hot air.

Processor		Graphics	
Processor manufacturer *	Intel	Discrete graphics memory type	GDDR7
Processor family *	Intel Core Ultra 5	On-board GPU manufacturer	Intel
Processor generation	Intel Core Ultra (Series 2)	On-board graphics card family	Intel® Graphics
Processor model *	225	On-board graphics card model *	Intel® Graphics
Processor cores	10	Performance	
Processor threads	10	Market positioning	Gaming
Processor boost frequency	4.9 GHz	Motherboard chipset	Intel B860
Performance cores	6	Product type *	PC
Efficient cores	4	Network	
Performance-core Max Turbo Frequency	4.9 GHz	Ethernet LAN *	✓
Efficient-core Max Turbo Frequency	4.4 GHz	Ethernet LAN data rates	10,100,1000 Mbit/s
Performance-core base frequency	3.3 GHz	Cabling technology	10/100/1000Base-T(X)
Efficient-core base frequency	2.7 GHz	LAN controller	Intel I219V
Processor cache	20 MB	Wi-Fi *	✓
Processor cache type	Smart Cache	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Processor base power	65 W	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Maximum turbo power	121 W	Bluetooth	✓
Neural processor unit (NPU)		Bluetooth version	5.3
Neural processor unit (NPU)	Intel AI Boost	Ports & interfaces	
Sparsity support	✓	USB 2.0 ports quantity *	4
Windows Studio effects support	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Total processor performance up to	23 TOPs	DisplayPorts quantity	3
NPU performance up to	13 TOPs	DisplayPort version	1.4a
GPU performance up to	4 TOPs	HDMI ports quantity *	1
		HDMI version	2.1

Memory		Ports & interfaces	
Internal memory *	32 GB	Ethernet LAN (RJ-45) ports	1
Internal memory type	DDR5-SDRAM	Headphone outputs	1
Memory layout (slots x size)	2 x 16 GB	Microphone in	✓
Memory clock speed	6000 MHz		
Storage		Power	
Total storage capacity *	1 TB	Power supply *	650 W
Storage media *	SSD	80 PLUS certification	80 PLUS Gold
Optical drive type *	✗		
Total SSDs capacity	1 TB	Design	
Number of SSDs installed	1	Chassis type *	Desktop
SSD capacity	1 TB	Placement supported	Vertical
SSD interface	PCI Express	Product colour *	Black
NVMe	✓		
SSD form factor	M.2	Software	
Graphics		Operating system installed *	Windows 11 Pro
Discrete graphics card *	✓	Display	
Discrete GPU manufacturer	NVIDIA	Display included *	✗
On-board graphics card *	✓	Weight & dimensions	
Discrete graphics card model *	NVIDIA GeForce RTX 5060	Width *	213 mm
Discrete graphics card memory	8 GB	Depth *	409 mm
		Height *	485 mm
		Weight *	9.66 kg
		Packaging content	
		Mouse included	✓
		Keyboard included	✓
		Other features	
		Warranty period	3 year(s)



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Catalog Object Cloud



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