

ASUS ExpertCenter PN64-S7025AD Intel® Core™ i7 i7-12700H 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Pro Mini PC Black

Brand : ASUS

Product family: ExpertCenter

Product code: 90MS02G1-M000T0



Product name : PN64-S7025AD

- Windows 11 Pro 64-bit
 - Intel Core i7-12700H (24MB Cache)
 - 16GB DDR5-SDRAM & 512GB SSD
 Intel Core i7-12700H (24MB Cache), 16GB DDR5-SDRAM, 512GB SSD, Intel Iris Xe Graphics, LAN, WLAN, Bluetooth, Windows 11 Pro 64-bit

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New Processor Architecture Design

ASUS ExpertCenter PN64 is powered by the new 12th Gen Intel® Core™ CPU featuring a new hybrid processor design. It includes performance-cores (P-cores) dedicated to processing heavy loads and prioritized tasks, as well as efficient-cores (E-cores) catering to background tasks such as web browsing and PowerPoint presentations. This new core design enables PN64 to process multiple tasks simultaneously in the most efficient way possible.

Processor		Network	
Processor manufacturer *	Intel	Wi-Fi *	✓
Processor family *	Intel® Core™ i7	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Processor generation	12th gen Intel® Core™ i7	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor model *	i7-12700H	Antenna type	2x2
Processor cores	14	Bluetooth	✓
Processor threads	20	Bluetooth version	5.3
Processor boost frequency	4.7 GHz	Ports & interfaces	
Performance cores	6	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3
Efficient cores	8	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	2
Performance-core Max Turbo Frequency	4.7 GHz	HDMI ports quantity *	2
Efficient-core Max Turbo Frequency	3.5 GHz	Ethernet LAN (RJ-45) ports	1
Processor cache	24 MB	Combo headphone/mic port	✓
Processor cache type	Smart Cache	DC-in jack	✓
Processor base power	45 W	Design	
Maximum turbo power	115 W	Chassis type *	Mini PC
Memory		Colour name	ECO Black
Internal memory *	16 GB	Cable lock slot	✓
Maximum internal memory *	32 GB	Cable lock slot type	Kensington
Internal memory type	DDR5-SDRAM	Product colour *	Black
Memory slots	2x SO-DIMM	Performance	
Storage		Audio chip	Realtek ALC3251-CG
Total storage capacity *	512 GB	Audio system	High Definition Audio
Storage media *	SSD	Built-in speaker(s)	✗
Optical drive type *	✗	Product type *	Mini PC
Total SSDs capacity	512 GB		
Number of SSDs installed	1		
SSD capacity	512 GB		

Storage		Software	
SSD interface	PCI Express 4.0	Operating system installed *	Windows 11 Pro
NVMe	✓	Operating system architecture	64-bit
SSD form factor	M.2	Certificates	
Graphics		Certification	BSMI/CB/CE/FCC/UL/CCC/Energy Star/C-Tick/WiFi/RF/VCCI
Discrete graphics card *	✗	Weight & dimensions	
On-board graphics card *	✓	Width *	120 mm
Discrete graphics card model *	Not available	Depth *	130 mm
On-board graphics card model *	Intel Iris Xe Graphics	Height *	58 mm
Network		Weight *	1 kg
Ethernet LAN *	✓	Packaging content	
Ethernet LAN data rates	10,100,1000,2500 Mbit/s	Display included *	✗



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