

ASUS ExpertCenter PN54 -S50001NN AMD Ryzen™ AI 5 340 16 GB DDR5-SDRAM 512 GB SSD Windows 11 Home Mini PC Black

Brand : ASUS

Product family: ExpertCenter

Product code: 90MS02Y1-M00010

Product name : PN54-S50001NN

- Windows 11 Home 64-bit

- AMD Ryzen AI 5 340 (16MB Cache, 2GHz)

- 16GB DDR5-SDRAM (1 x 16) & 512GB SSD

AMD Ryzen AI 5 340 (16MB Cache, 2GHz), 16GB DDR5-SDRAM, 512GB SSD, AMD Radeon 840M, LAN, WLAN, Bluetooth, Windows 11 Home 64-bit

ASUS ExpertCenter PN54 -S50001NN. Processor frequency: 2 GHz, Processor family: AMD Ryzen™ AI 5, Processor model: 340. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: AMD Radeon 840M. Operating system installed: Windows 11 Home, Operating system architecture: 64-bit. Power supply: 120 W. Chassis type: Mini PC. Product type: Mini PC. Weight: 550 g. Product colour: Black



Processor		Ports & interfaces	
Processor manufacturer *	AMD	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	3
Processor family *	AMD Ryzen™ AI 5	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1
Processor generation	AMD Ryzen AI 300 Series	USB4 Gen 3x2 ports quantity	1
Processor model *	340	HDMI ports quantity *	1
Processor cores	6	HDMI version	2.1
Processor threads	12	DisplayPorts quantity	2
Processor boost frequency	4.8 GHz	DisplayPort version	1.4
Processor frequency *	2 GHz	Ethernet LAN (RJ-45) ports	2
Processor cache	16 MB	Combo headphone/mic port	✓
Processor cache type	L2 & L3	DC-in jack	✓
Number of processors installed	1	Number of rear USB ports	3
Neural processor unit (NPU)		Number of front USB ports	3
Neural processor unit (NPU)	AMD Ryzen AI	Number of front audio ports	1
Total processor performance up to	59 TOPs	Design	
NPU performance up to	50 TOPs	Chassis type *	Mini PC
Memory		Colour name	Black
Internal memory *	16 GB	Placement supported	Horizontal
Maximum internal memory *	64 GB	VESA mounting	✓
Internal memory type	DDR5-SDRAM	Cable lock slot	✓
Memory layout (slots x size)	1 x 16 GB	Cable lock slot type	Kensington
Memory slots	2x SO-DIMM	Product colour *	Black
Storage		Copilot key	✓
Total storage capacity *	512 GB	Introduction year	2025
Storage media *	SSD	Performance	
Optical drive type *	✗	Market positioning	Business
Number of storage drives installed	1	Built-in speaker(s)	✓
Total SSDs capacity	512 GB	Number of speakers	2
Number of SSDs installed	1	Fingerprint reader	✓
SSD capacity	512 GB	Product type *	Mini PC
SSD interface	PCI Express 4.0		
NVMe	✓		
SSD form factor	M.2		

Storage		Software	
M.2 SSD size	2280 (22 x 80 mm)	Operating system architecture	64-bit
Graphics		Operating system installed *	Windows 11 Home
Discrete graphics card *	✗	Power	
On-board graphics card *	✓	Power supply *	120 W
Discrete graphics card model *	Not available	Certificates	
On-board GPU manufacturer	AMD	Certification	BSMI/CB/CE/FCC/UL/CCC/Energy Star/C-Tick/WiFi/RF/VCCI
On-board graphics card family	AMD Radeon	Weight & dimensions	
On-board graphics card model *	AMD Radeon 840M	Width *	130 mm
Network		Depth *	130 mm
Ethernet LAN *	✓	Height *	34 mm
Ethernet LAN data rates	10,100,1000,2500 Mbit/s	Weight *	550 g
Wi-Fi *	✓	Packaging data	
Top Wi-Fi standard	Wi-Fi 7 (802.11be)	Package width	189 mm
Wi-Fi standards	Wi-Fi 7 (802.11be)	Package depth	157 mm
Antenna type	2x2	Package height	134 mm
Bluetooth	✓	Package weight	1.48 kg
Bluetooth version	5.4	Packaging content	
Ports & interfaces		Cables included	AC
USB 2.0 ports quantity *	1	Screws included	✓
		Manual	✓
		AC adapter included	✓
		Display	
		Display included *	✗



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