



# Acer Nitro 5 AN517-55-56PD Intel® Core™ i5 i5-12450H Laptop 43.9 cm (17.3") Full HD 16 GB 512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6 (802.11ax) Windows 11 Home Black



**Brand :** Acer

**Product family:** Nitro

**Product code:** NH.QLGEK.001

**Product name :**  
AN517-55-56PD

17.3" IPS-LCD, 1920x1080 144Hz, 16:9, Intel Core i5-12450H, 2GHz, 16GB, 512GB SSD M.2, NVMe, PCIe, Nvidia GeForce 4050 6GB GDDR6, Wi-Fi 6, BT 5.1, 1Gbps LAN, 1x HDMI, 1x USB 3.2 Gen.1 Type-A, 1x USB 3.2 Gen.1 Type-C, 2x USB 3.2 Gen.2 Type-A, 1x USB 3.2 Gen.2 Type-C, 1x RJ45, 90Wh Li-Ion, 230W, 400.5x294.5x27.9mm, 3kg, Windows 11 Home

Acer Nitro 5 AN517-55-56PD. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-12450H, Processor frequency: 2 GHz. Display diagonal: 43.9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Home. Product colour: Black

Design		Graphics	
Product type *	Laptop	Discrete graphics card memory	6 GB
Product colour *	Black	Discrete graphics memory type	GDDR6
Form factor *	Clamshell	On-board graphics card *	✓
Market positioning	Gaming	Discrete graphics card *	✓
Display		On-board graphics card model *	Intel® UHD Graphics
Display diagonal *	43.9 cm (17.3")	Audio	
Display resolution *	1920 x 1080 pixels	Number of built-in speakers	2
Touchscreen *	✗	Built-in microphone	✓
HD type	Full HD	Number of microphones	2
Panel type	IPS	Camera	
Display technology marketing name	ComfyView	Front camera	✓
LED backlight	✓	Front camera resolution	1280 x 720 pixels
Native aspect ratio	16:9	Network	
Display diagonal (metric)	43.9 cm	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Maximum refresh rate	144 Hz	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Processor		Mobile network connection *	✗
Processor manufacturer *	Intel	Ethernet LAN	✓
Processor family *	Intel® Core™ i5	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor generation	12th gen Intel® Core™ i5	Bluetooth	✓
Processor model *	i5-12450H	Bluetooth version	5.1
Processor cores	8	Ports & interfaces	
Processor frequency *	2 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Performance cores	4	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Efficient cores	4	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Performance-core Max Turbo Frequency	4.4 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core Max Turbo Frequency	3.3 GHz	HDMI ports quantity *	1
Processor cache	12 MB	Headphone outputs	1
Processor cache type	Smart Cache	Combo headphone/mic port	✓
Processor base power	45 W	Charging port type	DC-in jack
Maximum turbo power	95 W	Keyboard	
Memory		Pointing device	Touchpad
Internal memory *	16 GB	Numeric keypad *	✓
Memory form factor	SO-DIMM	Keyboard backlit	✓
Memory slots	2x SO-DIMM		
Maximum internal memory *	32 GB		

Storage		Keyboard	
Total storage capacity *	512 GB	Keyboard backlit colour	RGB
Storage media *	SSD	Software	
Total SSDs capacity	512 GB	Operating system installed *	Windows 11 Home
Number of SSDs installed	1	Battery	
SSD capacity	512 GB	Battery technology	Lithium-Ion (Li-Ion)
SSD interface	PCI Express	Battery capacity *	90 Wh
NVMe	✓	Battery life (max)	8 h
SSD form factor	M.2	Security	
Optical drive type *	✗	Cable lock slot	✓
Graphics		Cable lock slot type	Kensington
Discrete GPU manufacturer	NVIDIA	Password protection	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Weight & dimensions	
		Width	400.5 mm
		Depth	294.5 mm
		Height	27.9 mm
		Weight *	3 kg

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