



Acer Swift 16 AI SF16-51-53NZ Copilot+ PC Intel Core Ultra 5 226V Laptop 40.6 cm (16") WQXGA+ 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Home US International Black

Brand : Acer

Product family: Swift

Product code: NX.J3ZEL.005

Product name : SF16-51-53NZ

- Windows 11 Home 64-bit

- Intel Core Ultra 5 226V (8MB Cache)

- 16" WQXGA+ 2880 x 1800 OLED

- 16GB LPDDR5x-SDRAM & 512GB SSD

Intel Core Ultra 5 226V (8MB Cache), 16GB LPDDR5x-SDRAM, 512GB SSD, 16" WQXGA+ 2880 x 1800 OLED, Intel Arc Graphics 130V, LAN, Webcam, Windows 11 Home 64-bit

Acer Swift 16 AI SF16-51-53NZ. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 226V. Display diagonal: 40.6 cm (16"), HD type: WQXGA+, Display resolution: 2880 x 1800 pixels. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics 130V. Operating system installed: Windows 11 Home. Product colour: Black. Weight: 1.46 kg



Design

Colour name	Ice Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Display back cover material	Aluminium

Display

Display diagonal *	40.6 cm (16")
Display resolution *	2880 x 1800 pixels
Touchscreen *	✗
HD type	WQXGA+
Panel type	OLED
Display technology marketing name	CineCrystal
Native aspect ratio	16:10
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	120 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 5
Processor generation	Intel Core Ultra (Series 2)
Processor model *	226V
Processor cores	8
Processor threads	8
Processor boost frequency	4.5 GHz
Performance cores	4
Low Power Efficient-cores	4
Performance-core Max Turbo Frequency	4.5 GHz
Low Power Efficient-core Max Turbo Frequency	3.5 GHz
Performance-core base frequency	2.1 GHz
Low Power Efficient-core Base Frequency	2100 MHz
Processor cache	8 MB

Graphics

On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✗
On-board graphics card family	Intel Arc Graphics
On-board graphics card model *	Intel Arc Graphics 130V

Audio

Number of built-in speakers	2
Built-in microphone	✓
Number of microphones	2

Camera

Front camera	✓
Front camera HD type	Quad HD

Network

Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Killer Wi-Fi 7 BE1750
WLAN controller manufacturer	Killer
Ethernet LAN	✓
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✓
Bluetooth version	5.4

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB4 Gen 3x2 ports quantity	2
HDMI ports quantity *	1
Intel® Thunderbolt 4	✓
Combo headphone/mic port	✓
USB Type-C DisplayPort Alternate Mode	✓

Processor		Keyboard	
Processor cache type	Smart Cache	Pointing device	Touchpad
Processor base power	17 W	Numeric keypad *	✓
Maximum turbo power	37 W	Keyboard backlit	✓
Neural processor unit (NPU)		Keyboard layout	QWERTY
Copilot+ PC	✓	Keyboard language	US International
Neural processor unit (NPU)	Intel AI Boost	Software	
Sparsity support	✓	Operating system architecture	64-bit
Windows Studio effects support	✓	Operating system installed *	Windows 11 Home
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Battery	
Total processor performance up to	97 TOPs	Battery technology	Lithium-Ion (Li-Ion)
NPU performance up to	40 TOPs	Battery capacity *	70 Wh
GPU performance up to	53 TOPs	Battery life (max)	17.5 h
Memory		Battery charge indicator	✓
Internal memory *	16 GB	Power	
Internal memory type	LPDDR5x-SDRAM	AC adapter power	65 W
Memory form factor	On-board	USB Type-C charging port *	✓
Maximum internal memory *	16 GB	USB Power Delivery (USB PD)	✓
Storage		USB charging voltage	5 V
Total storage capacity *	512 GB	USB charging current	3 A
Storage media *	SSD	Security	
Total SSDs capacity	512 GB	Cable lock slot	✓
Number of SSDs installed	1	Cable lock slot type	Kensington
SSD capacity	512 GB	Fingerprint reader	✓
SSD interface	PCI Express 4.0	Weight & dimensions	
NVMe	✓	Width	356 mm
SSD form factor	M.2	Depth	249.4 mm
Optical drive type *	✗	Height	15.9 mm
Graphics		Weight *	1.46 kg
Discrete graphics card model *	Not available	Packaging data	
		Package width	498 mm
		Package depth	310 mm
		Package height	60 mm
		Package weight	2.64 kg
		Packaging content	
		AC adapter included *	✓

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