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Acer Swift 14 AI Copilot+ PC (SF14-51) - Intel Core Ultra 5 CPU, 16GB, 1TB, 14" 2.8K OLED display, Windows 11

Brand : Acer

Product name : Acer Swift 14 AI Copilot+ PC (SF14-51) - Intel Core Ultra 5 CPU, 16GB, 1TB, 14" 2.8K OLED display, Windows 11

Product family: Swift

Product code: NX.J2KEK.002

- Intel Core Ultra 5 CPU
- 16GB RAM, 1TB SSD
- 14" 2.8K OLED display
- Windows 11
- Copilot+ PC

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Acer Swift 14 AI Copilot+ PC (SF14-51) - Intel Core Ultra 5 CPU, 16GB, 1TB, 14" 2.8K OLED display, Windows 11. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 226V. Display diagonal: 35.6 cm (14"), HD type: WQXGA+, Display resolution: 2880 x 1800 pixels. Internal memory: 16 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Arc Graphics 130V. Operating system installed: Windows 11 Home. Product colour: Blue. Weight: 1.26 kg

Design

Colour name	Steam Blue
Product type *	Laptop
Product colour *	Blue
Form factor *	Clamshell

Display

Display diagonal *	35.6 cm (14")
Display resolution *	2880 x 1800 pixels
Touchscreen *	✘
HD type	WQXGA+
Panel type	OLED
Display technology marketing name	CineCrystal
Native aspect ratio	16:10
Display brightness	400 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	90 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

Audio

Audio system	DTS:X Ultra
Number of built-in speakers	2
Built-in microphone	✔
Number of microphones	3

Camera

Front camera	✔
Front camera resolution	2560 x 1440 pixels
Front camera HD type	Quad HD
Privacy camera	✔
Privacy type	Privacy shutter

Network

Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax), 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

Processor

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
Processor cache type	Smart Cache
Processor base power	17 W
Maximum turbo power	37 W

Neural processor unit (NPU)

Neural processor unit (NPU)	Intel AI Boost
Sparsity support	✔
Windows Studio effects support	✔
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN
Total processor performance up to	97 TOPs
NPU performance up to	40 TOPs
GPU performance up to	53 TOPs

Memory

Internal memory *	16 GB
Internal memory type	LPDDR5x-SDRAM
Memory form factor	On-board
Maximum internal memory *	16 GB

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘

Graphics

Discrete graphics card model *	Not available
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

Ports & interfaces

HDMI ports quantity *	1
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔

Keyboard

Pointing device	Touchpad
Numeric keypad *	✘
Keyboard backlit	✔
Keyboard backlit colour	White
Copilot key	✔

Software

Operating system installed *	Windows 11 Home
Microsoft Copilot	✔
Copilot+ PC	✔

Battery

Battery technology	Lithium-Ion (Li-Ion)
Battery capacity *	65 Wh
Battery life (max)	17.5 h

Power

AC adapter power	65 W
USB Type-C charging port *	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington
Fingerprint reader	✔
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Password protection	✔
Password protection type	BIOS, Supervisor, User

Certificates

Certification	ENERGY STAR, CB, CE, Doc

Weight & dimensions

Width	312.4 mm
Depth	221.2 mm
Height	9.7 mm
Height (front)	9.7 mm
Height (rear)	1.59 cm
Weight *	1.26 kg

Packaging data

Package width	454 mm
Package depth	59 mm
Package height	292 mm
Package weight	2.31 kg

Packaging content

AC adapter included *	✔

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