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Acer Swift 14 AI SF14-51-57P6 Intel Core Ultra 5 226V Laptop 35.6 cm (14") 2.8K 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Home Blue

Brand : Acer   **Product family:** Swift   **Product code:** NX.J2KEK.001

Product name : SF14-51-57P6

- Windows 11 Home 64-bit
- Intel Core Ultra 5 226V (8MB Cache)
- 35.6 cm (14") 2.8K 2880 x 1800 OLED
- 16GB LPDDR5x-SDRAM & 512GB SSD
Intel Core Ultra 5 226V (8MB Cache), 16GB LPDDR5x-SDRAM, 512GB SSD, 35.6 cm (14") 2.8K 2880 x 1800 OLED, Intel Arc Graphics 130V, WLAN, Webcam, Windows 11 Home 64-bit
Acer Swift 14 AI SF14-51-57P6. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 226V. Display diagonal: 35.6 cm (14"), HD type: 2.8K, 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: Blue. Weight: 1.28 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	2.8K
Panel type	OLED
Display technology marketing name	CineCrystal
Native aspect ratio	16:10
Low Blue Light technology	✔
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
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

Storage

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

Audio

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

Camera

Front camera	✔
Infrared (IR) camera	✔
Privacy camera	✔
Privacy type	Privacy shutter

Network

Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Killer Wi-Fi 7 BE1750
WLAN controller manufacturer	Killer
Bluetooth	✔

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
Headphone outputs	1
Combo headphone/mic port	✔

Keyboard

Pointing device	Touchpad

Neural processor unit (NPU)

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 *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2

Keyboard

Numeric keypad *	✘
Keyboard backlit	✔
Keyboard backlit colour	White

Software

Operating system architecture	64-bit
Operating system installed *	Windows 11 Home

Battery

Battery technology	Lithium-Ion (Li-Ion)
Battery capacity *	65 Wh
Battery life (max)	25.5 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)	✔

Weight & dimensions

Width	312.4 mm
Depth	221.2 mm
Height (front)	9.7 mm
Height (rear)	1.59 cm
Weight *	1.28 kg

Packaging content

Cables included	AC

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