Acer Aspire AV16-51P-58KU Intel Core Ultra 5 125U Laptop 40.6 cm (16") WUXGA 8 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 6 (802.11ax) Windows 11 Home Grey

Brand : Acer **Product family:** Aspire **Product code:** NX.KU3AA.002

Product name :
AV16-51P-58KU

- Windows 11 Home 64-bit
- Intel Core Ultra 5 125U (12MB Cache)
- 40.6 cm (16") WUXGA 1920 x 1200 IPS
- 8GB LPDDR5x-SDRAM & 512GB SSD

Intel Core Ultra 5 125U (12MB Cache), 8GB LPDDR5x-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS, Intel Graphics, LAN, WLAN, Webcam, Windows 11 Home 64-bit
Acer Aspire AV16-51P-58KU. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 125U. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 8 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® Graphics. Operating system installed: Windows 11 Home. Product colour: Grey. Weight: 1.8 kg

Design	
Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell
Display	
Display diagonal *	40.6 cm (16")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	WUXGA
Panel type	IPS
Display technology marketing name	ComfyView
LED backlight	✓
Native aspect ratio	16:10
Display surface	Matt
Maximum refresh rate	60 Hz
Processor	
Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 5
Processor generation	Intel® Core™ Ultra (Series 1)
Processor model *	125U
Processor cores	12
Processor threads	14
Processor boost frequency	4.3 GHz
Performance cores	2
Efficient cores	8
Low Power Efficient-cores	2
Performance-core Max Turbo Frequency	4.3 GHz
Efficient-core Max Turbo Frequency	3.6 GHz
Low Power Efficient-core Max Turbo Frequency	2.1 GHz
Performance-core base frequency	1.3 GHz
Efficient-core base frequency	0.8 GHz
Low Power Efficient-core Base Frequency	700 MHz
Processor cache	12 MB
Processor cache type	Smart Cache

Storage	
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
Optical drive type *	✗
Card reader integrated	✗
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® Graphics
On-board graphics card model *	Intel® Graphics
Audio	
Built-in microphone	✓
Camera	
Front camera	✓
Network	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	Wi-Fi 6 (802.11ax)
Mobile network connection *	✗
Antenna type	2x2
Bluetooth	✓
Bluetooth version	5.3
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
Combo headphone/mic port	✓

Processor	
Processor base power	15 W
Maximum turbo power	57 W

Neural processor unit (NPU)	
Neural processor unit (NPU)	Intel AI Boost
Maximum frequency NPU	1.4 GHz
Sparsity support	✔
Windows Studio effects support	✔
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML

Memory	
Internal memory *	8 GB
Internal memory type	LPDDR5x-SDRAM
Memory form factor	On-board
Maximum internal memory *	8 GB

Storage	
Total storage capacity *	512 GB
Storage media *	SSD

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Keyboard backlit colour	White

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

Battery	
Battery technology	Lithium Polymer (LiPo)
Battery capacity *	53 Wh
Battery life (max)	18.5 h

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

Security	
Fingerprint reader	✔

Weight & dimensions	
Width	359.5 mm
Depth	247 mm
Height	16.6 mm
Weight *	1.8 kg

Packaging content	
AC adapter included *	✔

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Publication date: 21-SEP-2026. Prints or copies of Information are only valid on the printed Publication date