



Acer Aspire 16 AI A16-52M-55DS Copilot+ PC Intel Core Ultra 5 226V Laptop 40.6 cm (16") WUXGA 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Home Grey

Brand : Acer

Product family: Aspire

Product code: NX.JP1EG.00U

Product name : A16-52M-55DS

- Windows 11 Home 64-bit

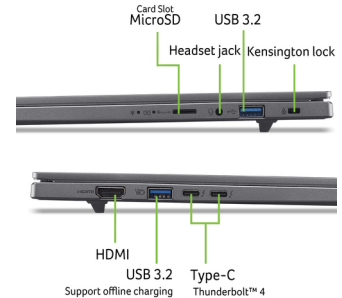
- Intel Core Ultra 5 226V (8MB Cache)

- 16" WUXGA 1920 x 1200 IPS

- 16GB (8533MHz) LPDDR5x-SDRAM & 512GB SSD

Intel Core Ultra 5 226V (8MB Cache), 16GB LPDDR5x-SDRAM, 512GB SSD, 16" WUXGA 1920 x 1200 IPS, Intel Arc Graphics 130V, LAN, WLAN, Webcam, Windows 11 Home 64-bit

Acer Aspire 16 AI A16-52M-55DS. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 5, Processor model: 226V. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 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: Grey. Weight: 1.48 kg



Design		Storage	
Colour name	Steel Grey	Compatible memory cards	MicroSD (TransFlash)
Product type *	Laptop	Graphics	
Product colour *	Grey	Discrete graphics card model *	Not available
Form factor *	Clamshell	On-board graphics card *	✓
Display		On-board GPU manufacturer	Intel
Display diagonal *	40.6 cm (16")	Discrete graphics card *	✗
Display resolution *	1920 x 1200 pixels	On-board graphics card family	Intel Arc Graphics
Touchscreen *	✗	On-board graphics card model *	Intel Arc Graphics 130V
HD type	WUXGA	Audio	
Panel type	IPS	Number of built-in speakers	2
Native aspect ratio	16:10	Built-in microphone	✓
Display brightness	300 cd/m²	Number of microphones	2
RGB colour space	DCI-P3	Camera	
Colour gamut	95%	Front camera	✓
Maximum refresh rate	60 Hz	Front camera resolution	1920 x 1080 pixels
Processor		Front camera HD type	Full HD
Processor manufacturer *	Intel	Infrared (IR) camera	✓
Processor family *	Intel Core Ultra 5	Privacy camera	✓
Processor generation	Intel Core Ultra (Series 2)	Privacy type	Privacy shutter
Processor model *	226V	Network	
Processor cores	8	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor threads	8	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor boost frequency	4.5 GHz	Mobile network connection *	✗
Performance cores	4	Antenna type	2x2
Low Power Efficient-cores	4	Ethernet LAN	✓
Performance-core Max Turbo Frequency	4.5 GHz	Ethernet LAN data rates	10,100,1000 Mbit/s
Low Power Efficient-core Max Turbo Frequency	3.5 GHz	Bluetooth	✓
Performance-core base frequency	2.1 GHz	Bluetooth version	5.4

Processor		Ports & interfaces	
Low Power Efficient-core Base Frequency	2100 MHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor cache	8 MB	USB4 Gen 3x2 ports quantity	2
Processor cache type	Smart Cache	HDMI ports quantity *	1
Processor base power	17 W	Intel® Thunderbolt 4	✓
Maximum turbo power	37 W	Combo headphone/mic port	✓
Neural processor unit (NPU)		Keyboard	
Copilot+ PC	✓	Pointing device	Touchpad
Neural processor unit (NPU)	Intel AI Boost	Numeric keypad *	✓
Sparsity support	✓	Keyboard backlit	✓
Windows Studio effects support	✓	Keyboard backlit colour	White
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Software	
Total processor performance up to	97 TOPs	Operating system architecture	64-bit
NPU performance up to	40 TOPs	Operating system installed *	Windows 11 Home
GPU performance up to	53 TOPs	Battery	
Memory		Battery technology	Lithium-Ion (Li-Ion)
Internal memory *	16 GB	Battery capacity *	65 Wh
Internal memory type	LPDDR5x-SDRAM	Battery life (max)	26 h
Memory clock speed	8533 MHz	Power	
Memory form factor	On-board	USB Type-C charging port *	✓
Maximum internal memory *	16 GB	USB Type-C required charging power (min) *	65 W
Storage		USB Type-C required charging power (max) *	65 W
Total storage capacity *	512 GB	USB Power Delivery (USB PD)	✓
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	Weight & dimensions	
SSD interface	PCI Express 4.0	Width	354.9 mm
NVMe	✓	Depth	250.1 mm
SSD form factor	M.2	Height	15.9 mm
Optical drive type *	✗	Weight *	1.48 kg
Card reader integrated	✓	Packaging content	
		AC adapter included *	✓



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