



Buyers Guide | BTS 2026

Acer® Aspire 16 AI Copilot+ PC
A16-52MT-78LQ



Copilot+PC



Model	Acer® Aspire 16 AI A16-52MT-78LQ Copilot+ PC™
MSRP	\$899.99
On-Shelf Date	August 31, 2026

High Level Specifications

- Intel® Core™ Ultra 7 processor 256V – up to 4.8GHz, 8 cores, 8 threads, 12MB Intel Smart Cache
 - ◆ **NPU Performance:** Up to 47 TOPS – with Intel® AI Boost
 - ◆ **GPU Performance:** Up to 64 TOPS
- 16" Multi-Touch Matte Display with IPS (In-Plane Switching) Technology, WUXGA 1920 x 1200, 120Hz Refresh Rate, 100% sRGB, High-Brightness 350nits, (16:10 Aspect Ratio)
- Intel® ARC™ 140V Graphics supporting DirectX® 12.2 with Ray Tracing
- 16GB Onboard LPDDR5X Memory, 512GB PCIe Gen 4 SSD and microSD™ Card Reader
- DTS® Audio, featuring optimized bass response and micro-speaker distortion prevention, High SNR DAC with support for High Impedance Headsets (Up to 600ohm), Hi-Res Audio Certification by IAS (Headphone Output setting supported up to 24bit / 192KHz) | Two Built in Acer Ultra Boost Stereo Speakers
- Intel® Wi-Fi 7 supports dual-stream Wi-Fi in the 2.4GHz, 5GHz and 6GHz bands, including 2x2 MIMO Technology | MLO – Multi-Link Operation and 4K QAM | Supports Bluetooth 5.4 or above | Supports Bluetooth LE Audio
- 2 - USB Type-C Ports - supporting USB4® (up to 40 Gbps), Thunderbolt™ 4 & USB Charging & Power Delivery (Up to 100W)
- 2 - USB 3.2 Gen 1 Ports (one featuring power-off charging) & 1 - HDMI™ 2.1 Port supporting 48 Gbps, 10K maximum resolution, Fixed Rate Link
- FHD IR Webcam (1920 x 1080) with Blue Glass (which reduces lens flares) supporting 1080p video featuring Staggered High Dynamic Range (SHDR), Computer Protection, Windows Hello, Temporal Noise Reduction & Privacy Shutter
- Acer PurifiedVoice™ Technology with AI Noise Reduction with Triple Microphone Array
- Acer PurifiedView™ with Background Blur, Automatic Framing, Gaze Correction, Portrait Refinement, Gentle Lighting & Sharper Visuals
- Precision Moisture Resistant Touchpad & Back-lit Keyboard
- AI assistance of Copilot in Windows using the dedicated One-Click Copilot Key
- Lithium-Ion Battery Supporting Fast Charging Technology, Up to 15.5-hours battery life (based on MobileMark® 25 test results) - Up to 22.5-hours battery life (based on Video Playback Tests)
- Microsoft Security Level 3 with Microsoft Pluton
- EPEAT® Gold Registered
- Windows 11 Home - get personalized guidance with Copilot in Windows
- *Copilot+ PC experiences vary by device and market and may require updates continuing to roll out through 2025. Timing varies by device and region. See aka.ms/copilotpluses

What's in the Box

- Laptop, USB Type-C Power Adapter & Power Cord

Key Features



Web Description

Acer Aspire 16 AI A16-52MT-78LQ AI Ready Copilot+ PC, 16" WUXGA (1920 x 1200) 120Hz Multi-Touch 100% sRGB Display, Intel Core Ultra 7 processor 256V – up to 4.8GHz (NPU Performance: Up to 47 TOPS - GPU Performance: Up to 64 TOPS), Intel ARC 140V Graphics, 16GB LPDDR5X, 512GB PCIe Gen 4 SSD, Intel Wi-Fi 7, FHD IR Webcam, Back-lit Keyboard, USB Type-C Ports supporting Thunderbolt 4 and USB4, Windows 11 Home



Explore. Evolve. Aspire.

Equipped with intuitive AI capabilities on a versatile, modern design, the Aspire 16 AI Copilot+ PC delivers powerful intelligence that's made easy. Stay productive and inspired with the perfect partner on your quest for success. Equipped with the Intel® Core™ Ultra 7 processor and an NPU delivering up to 47 TOPS, it opens up a vast ecosystem of AI-powered experiences across multiple apps, taking your workflow to new heights.

Features



Your Personal Productivity Partner

Transform your daily workflow with brilliant AI assistance that feels natural and intuitive. This Copilot+ PC™ enhances your artistry with Cocreator to easily generate captivating images. Language is no barrier with Live Captions, and with Recall, find specific information (documents, emails, web pages, photos, etc) by describing how you remembered it.



Style and Substance

The Aspire 16 AI boasts a sleek, durable, and lightweight aluminum chassis, with an ultra-modern design and a 180° lie-flat hinge for versatile and convenient use on the go. Ideal for work, study, or creative pursuits wherever you are.



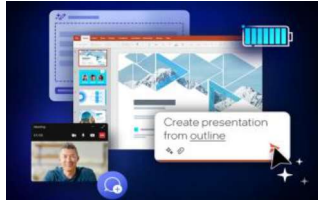
Designed With Purpose

Stay effortlessly connected with a range of I/O options, including dual Thunderbolt 4 Type-C ports, HDMI 2.1, Wi-Fi 7, and Bluetooth 5.4 with LE audio support. Plus, it's packaged in 100% recyclable materials and is EPEAT Gold registered.



That's the power of Acer with Intel Inside®

Equipped with an Intel® Core™ Ultra 7 processor (Series 2), the Aspire 16 AI brings new AI experiences in productivity, creativity and security through a combination of CPU, GPU and NPU. This combo delivers the speed and responsiveness to handle any task with ease - along with all-day battery life of up to 22.5 hours* and smooth multitasking performance. (*Battery life was measured under specific test settings pursuant to video playback scenarios)



A New AI Era Begins

More than just fancy software, Copilot+ PCs serve as an extension of your workflow – anticipating your habits, catering to your needs, and offering intelligent suggestions, so you can focus on what truly matters.



Smart and Effortless AI

Intelligent AI solutions are at your fingertips with AcerSense™. Effortlessly get answers, streamline settings, optimize your video presence, and elevate communication – all with intuitive AI that's easy to use and enhances productivity seamlessly. Just press the AcerSense key on the backlit keyboard for instant access and experience the magic of AI!



Indulge Your Eyes

Immerse yourself in a world of vibrant visuals: Enjoy stunning clarity, rich 100% sRGB colors, and sharp detail on the 16" 120Hz WUXGA ultra-high-resolution touchscreen display – acting as a panoramic playground for entertainment, artistic expression, and engaging AI experiences that dazzle the eye.



Better Video Calls Anywhere

Elevate your collaboration with the 1080p FHD IR webcam and Acer QuickPanel™, an AI-enhanced solution for seamless, professional communication. Fine-tune your Acer PurifiedView™ camera and PurifiedVoice™ microphone settings, enhance lighting, blur backgrounds, and eliminate noise effortlessly, all in one place.



Comprehensive Protection

Safeguard your digital assets with several layers of protection built-in at the hardware and software levels. Biometric security features Windows Hello for login through facial recognition, so only you can access your device.

Acer® Aspire 16 AI A16-52MT-78LQ Copilot+
Detailed Product Specifications

Processor
Intel® Core™ Ultra 7 processor 256V 2.2GHz with Intel® Turbo Boost Max Technology 3.0 ⁽¹⁾ up to 4.8GHz, 8-Cores, Supporting hybrid core architecture with Performance-core and Efficient-core (12MB Smart Cache)
NPU Performance
Up to 47 TOPs - Dedicated AI Boost
GPU Performance
Up to 64 TOPS
Video
Intel® ARC™ 140V Graphics ⁽²⁾ supporting Microsoft® DirectX® 12.2 with Ray Tracing
Display
16" Multi-Touch Matte Display with IPS (In-Plane Switching) Technology, WUXGA 1920 x 1200, 120Hz Refresh Rate, 100% sRGB, High-Brightness 350nits, (16:10 Aspect Ratio)
Memory
16GB LPDDR5X Onboard Memory ⁽²⁾ (16GB Onboard memory) - Max Memory 16GB
Audio
DTS® Audio, Featuring optimized bass response and micro-speaker distortion prevention High SNR DAC with 2.1 Vrms out capability and can driver high impedance headphone (up to 600 ohm) Hi-Res Audio Certification by IAS (Headphone Output setting supported up to 24bit /192KHz) Two Built in Acer Ultra Boost Stereo Speakers Acer PurifiedVoice™ 2.0 Technology with AI Noise Reduction with Triple Microphone Array Acer TrueHarmony Technology
SSD Drive
512GB PCIe Gen 4 SSD ⁽³⁾
Optical Drive
Not available
Digital Media Card Reader
microSD™ Card Reader
Communications
Intel® Wi-Fi 7 supports dual-stream Wi-Fi in the 2.4GHz, 5GHz and 6GHz bands, including 2x2 MIMO Technology (MLO and 4K QAM) MLO (Multi-Link Operation) - Enables devices to simultaneously send and receive data across different frequency bands and channels. Supports Bluetooth 5.4 or above Supports Bluetooth LE Audio
Color
Steel Gray

Interfaces
2 - USB Type-C Ports - supporting USB4® (up to 40 Gbps), Thunderbolt™ 4 & USB Charging & Power Delivery (Up to 100W) 2 - USB 3.2 Gen 1 Ports (one featuring power-off charging) 1 - HDMI™ 2.1 Port supporting 48 Gbps, 10K maximum resolution, Fixed Rate Link 1 - Headphone/Speaker/Line-out Jack
Webcam
FHD IR Webcam (1920 x 1080) with Blue Glass (which reduces lens flares) supporting 1080p video featuring Staggered High Dynamic Range (SHDR), Computer Protection, Windows Hello, Temporal Noise Reduction & Privacy Shutter
Touchpad
Precision Moisture Resistant Touchpad (supporting Windows Modern Touchpad gestures)
Battery Type
Lithium-Ion Battery Supporting Fast Charging Technology
Battery Life
Up to 15.5-hours battery life (based on MobileMark® 25 test results) ⁽⁴⁾ Up to 22.5-hours battery life (based on Video Playback Tests) ⁽⁴⁾
Dimensions (System)
13.97" W x 9.85" D x 0.63" ⁽⁵⁾ H 354.9mm W x 250.1mm D x 15.9mm ⁽⁵⁾ H
Dimensions (Box)
19.6" W x 2.56" D x 12.2" H 498mm W x 65mm D x 310mm H
Weights
3.4 lbs. 1.54 kg (system unit only) 6.1 lbs. 2.77 kg (box)
Pallet Quantity
102 units per pallet
Limited Warranty
One-year International Travelers Limited Warranty (ITW) ⁽⁶⁾
UPC
195133365840
Part Number
NXJNKAA.003

Windows 11 Home
Copilot+ PCs®. A New AI Era Begins Accelerate your productivity and creativity with unique Copilot+ PC experiences, powered by the Intel® Core™ Ultra 7 processor 256V. Features: Recall: Now with Recall, you can access virtually what you have seen or done on your PC in a way that feels like having photographic memory. ⁽⁷⁾ Cocreator: You can now create images in Paint with-generative AI. It allows you to use drawing and text prompt to cocreate with your device. Live Captions: Instantly translate any live or pre-recorded video in any app or video platform from 44 languages into English. ⁽⁸⁾ ®Copilot+ PC experiences vary by device and market and may require updates continuing to roll out through 2025. Timing varies by device and region. See aka.ms/copilotpluspcs

Software
Productivity Microsoft® Office Trial ⁽⁹⁾ Utility App AcerSense™ is a useful utility app that lets you take control of and maintain your PC with one click. AcerSense - Acer Experience Zone Experience Zone in AcerSense™ is a collection of AI related features for you to explore. One click to learn more and enjoy the new productivity as well as creativity experiences. • Acer LiveArt – This AI powered tool automatically removes people, animals, and objects from the background to easily clean up pictures. You can also edit and paste it anywhere like creating a sticker. • Acer AlterView – Personalize and create your own unique wallpapers or add a stunning dynamic parallax effect with the AI models to generate depth maps on 2D images. Acer Assist - Your Smart AI Assistant Acer Assist provides an offline personalized knowledge base and local execution AI, enhancing security and operating flawlessly without an internet connection. Acer My Key - The Acer My Key is a customizable hotkey that lets you define actions to launch apps, open websites or Windows features with a single button press. • Launch App: Open a specific application. sticker. • Launch Windows Feature: Toggle specific Windows features • Open Website: Launch a predefined URL in the default web browser.

(1) Overall system performance is based on several PC attributes. GHz, processor clock speed, is one of the attributes. Intel® Turbo Boost, Max Technology performance varies depending on hardware, software and overall system configuration.

(2) Shared system memory may be allocated to support integrated graphics depending on system memory size and other factors. Actual system memory available to the operating system will be reduced by the amount of dedicated and shared system memory utilized by the graphics solution and resources required by the operating environment.

(3) 1GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Acer eRecovery Management utilizes up to 8GB of the stated hard disk capacity as dedicated backup space.

(4) Battery life of Aspire 16 AI (A16-52MT) was measured under specific test settings pursuant to MobileMark 25 and video playback scenarios. Actual battery life may vary considerably by specifications, depending on product model, configuration, applications, power management settings, operating conditions, and features utilized. Performance variation also arises based on components in use, which includes but is not limited to the processor, RAM capacity, storage, display, resolution, etc.

(5) The height measurement is taken with the device closed, at the thinnest point measured at the front (display opening) and the thickest point measured at the back (hinge).

(6) For a free copy of the standard limited warranty, end users should visit a reseller at which Acer products are sold or write to Acer America Corporation, Warranty Department, P.O. Box 6137, Temple, TX 76503. TFT displays commonly exhibit a small number of discolored dots, so-called "nonconforming pixels." This phenomenon is a limitation of TFT LCD technology, not a product defect and, as such, is not covered by the limited warranty or by the upgrade programs. For International Travelers Warranty Valid only in countries in which Acer has an authorized repair facility; for a list of those countries, go to <http://global.acer.com/support/tw.htm> or call 800-816-2237. Services and response times may vary in countries outside the U.S. and Canada.

(7) Recall is optimized for select languages (English, Chinese (simplified), French, German, Japanese, and Spanish.) Content-based and storage limitations apply.

(8) This does NOT translate in the reverse (English to these) (7) This does NOT trans (7) This does NOT translate in the reverse (English to these languages)

(9) Microsoft Office Trial Included. After or during the 30-day trial, purchase an Office Product Key to activate one of the following Office suites preloaded on this PC: Office Home and Student, Office Home and Business, Office Professional.

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