



Buyers Guide | BTS 2025

Acer® Aspire 16 AI Copilot+ PC
A16-11M-X3EW



Copilot+PC



Windows 11



Model	Acer® Aspire 16 AI A16-11M-X3EW Copilot+ PC
MSRP	\$699.99
On-Shelf Date	October 1, 2025

High Level Specifications

- Snapdragon™ X X1-26-100 (30MB Total Cache)
 - CPU: Qualcomm® Oryon™ CPU (8-Cores and 3.0GHz)
 - NPU: Qualcomm® Hexagon NPU (45 TOPS)
 - GPU: Qualcomm® Adreno™ GPU (Up to 1.7 TFLOPs)
- 16" Matte Display with IPS (In-Plane Switching) Technology, WUXGA 1920 x 1200, 120Hz Refresh Rate, High-Brightness 350nits, (16:10 Aspect Ratio)
- 16GB Onboard LPDDR5X Memory, 512GB PCIe Gen 4 SSD and microSD™ Card Reader
- DTS® Virtual:X Audio, featuring optimized bass response and micro-speaker
- Wi-Fi 7 supports dual-stream Wi-Fi in the 2.4GHz, 5GHz and 6GHz bands, including 2x2 MU-MIMO Technology | (MLO - Multi-Link Operation and 4K QAM | Supports Bluetooth 5.3 or above)
- 2 - USB Type-C Ports - support USB4® (up to 40Gbps), USB Charging & Power Delivery (Up to 65W)
- 2 - USB 3.2 Gen 1 Ports (one featuring power-off charging)
- 1 - HDMI™ 2.1 Port with HDCP Support
- QHD MIPI Webcam (2560 x 1440) with Blue Glass Lens supporting 1440p QHD video at 30 fps with Temporal Noise Reduction and Privacy Shutter
- Acer PurifiedVoice™ 2.0 Technology with AI Noise Reduction with Triple Microphone Array
- Acer PurifiedView™ 2.0 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
- 3-Cell 65Wh Lithium-Ion Battery Supporting Fast Charging Technology, Up to 27-hours battery life (based on Video Playback Tests) - Up to 18-hours battery life (based on Web Browsing Tests)
- EPEAT® Gold Certifications
- Windows 11 Home - get personalized guidance with Copilot in Windows

What's in the Box

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

Key Features



Web Description

Acer Aspire 16 AI A16-11M-X3EW Copilot+ PC, 16" WUXGA (1920 x 1200) 120Hz Display, Snapdragon™ X X1-26-100 (Qualcomm Oryon CPU 8-Cores and 3.0GHz, Qualcomm Hexagon NPU (45 TOPS), Qualcomm Adreno GPU), 16GB LPDDR5X, 512GB PCIe Gen 4 SSD, microSD Card Reader, Wi-Fi 7, Back-lit Keyboard, 2 x USB Type-C Ports supporting USB4, Windows 11 Home

Aspire 16 AI

Learn. Evolve. Aspire.

Get ready for a seismic shift in how you get things done. Equipped with intuitive AI capabilities on a versatile, modern design, the Aspire 16 AI delivers powerful intelligence that's made easy. Stay productive and inspired with the perfect partner on your quest for success. Transform how you uncover knowledge by simply asking for exactly what you need and getting tailored responses. It's not just ahead of the curve; it's defining it. Acer Aspire 16 AI Copilot+ PC—we've got you covered!

Features



Step Up to Next-Level Performance

Redefine your laptop experience with the Acer Aspire 16 AI. Powered by the Snapdragon™ X X1-26-100, a premium integrated GPU (Up to 1.7 TFLOPs) and NPU with 45 TOPs for optimized processing across CPU, GPU, and NPU workloads and delivering best-in-class performance and power efficiency.



Copilot+ PCs. A New AI Era Begins

Turn your ideas from text prompts into generated artwork. With Recall, search across time to find the content you need. Understand new languages instantly with Live Captions. Copilot+ PCs powered by the Snapdragon X processor come with 45 Trillion Operations Per Second of NPU power, and they're all set to transform the way you create, find and communicate.



Refined. Versatile.

Aspire 16 AI features a durable, thin and lightweight aluminum chassis in an ultra-modern design. A 180° lie-flat hinge delivers versatile convenience, making work, study, or creative projects easy wherever you go.



Built on Brilliant AI Foundations

The Acer Aspire 16 AI harnesses the industry-leading Qualcomm AI Engine with an integrated Qualcomm Hexagon NPU, delivering transformative experiences for creativity, video conferencing, security, and productivity assistants. The Qualcomm AI Engine supports Windows Studio Effects and many other AI-accelerated applications and experiences, to make possibilities endless.



Elevate your Webcam Experience

The 1440p QHD webcam with Acer PurifiedView™ 2.0 puts your best face forward. Experience new supersharp resolution and portrait refinement features to go with automatic framing, advanced background blur, and gaze correction. Employing a 3rd mic and AI noise cancellation, Acer PurifiedVoice™ 2.0 suppresses unwanted background noise—ensuring voices heard and spoken are exceptionally clear and crisp.



Brand New Ways to Create

With new AI features in Windows 11 editing your stories, photos and videos gets easier. With the Snapdragon™ X processor, your creative flow will never be slow. Accelerate your productivity and creativity with unique AI Next Gen PC experiences.



Screens that Speak to Your Senses

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



Wireless Made Effortless

Discover the power of Wi-Fi 7, boasting enhanced speeds and multi-link capability for a more reliable and seamless wireless connection. Multi-Link Operation enables devices to simultaneously send and receive data across different frequency bands and channels.



Streamline Your Settings with AcerSense™

Intelligent Acer AI solutions are at your fingertips. Effortlessly get answers, streamline settings, optimize your video presence, and elevate communication. Experience intuitive AI that's easy to use and seamlessly enhances your productivity.

Acer® Aspire 16 AI A16-11M-X3EW Copilot+
Detailed Product Specifications

Processor
Snapdragon™ X X1-26-100 (30MB Total Cache)
CPU
Qualcomm® Oryon™ CPU (8-Cores and 3.0GHz ⁽¹⁾)
NPU
Qualcomm® Hexagon NPU (45 TOPS)
GPU
Qualcomm® Adreno™ GPU (Up to 1.7 TFLOPs)
Display
16" Matte Display with IPS (In-Plane Switching) Technology, WUXGA 1920 x 1200, 120Hz Refresh Rate, High-Brightness 350nits, (16:10 Aspect Ratio)
Memory
16GB LPDDR5X Onboard Memory ⁽²⁾ (16GB Onboard memory) - Max Memory 16GB
Audio
DTS® Virtual: X Audio, featuring optimized bass response and micro-speaker distortion prevention Two Built in Acer Ultra Boost Stereo Speakers Acer PurifiedVoice™ 2.0 Technology with AI Noise Reduction with Triple Microphone Array Acer TrueHarmony Technology
Hard Drive
512GB PCIe Gen 4 SSD ⁽³⁾
Optical Drive
Not available
Digital Media Card Reader
microSD™ Card Reader
Communications
Wi-Fi 7 supports dual-stream Wi-Fi in the 2.4GHz, 5GHz and 6GHz bands, including 2x2 MU-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 5.3 or above
Color
Steel Gray

Interfaces
2 - USB Type-C Ports – support USB4® (up to 40Gbps), USB Charging & Power Delivery (Up to 65W) 2 - USB 3.2 Gen 1 Ports (one featuring power-off charging) 1 - HDMI™ 2.1 Port with HDCP Support 1 - Headphone/Speaker/Line-out Jack
Webcam
QHD MIPI Webcam (2560 x 1440) with Blue Glass Lens supporting 1440p QHD video at 30 fps with Temporal Noise Reduction and Privacy Shutter
Touchpad
Precision Moisture Resistant Touchpad (supporting Windows Modern Touchpad gestures)
Battery Type
3-Cell 65Wh Lithium-Ion Battery Supporting Fast Charging Technology
Battery Life
Up to 27-hours battery life (based on Video Playback Tests) ⁽⁴⁾ Up to 18-hours battery life (based on Web Browsing Tests) ⁽⁴⁾
Dimensions (System)
14" W x 9.85" D x 0.63" H 355.5mm W x 250.1mm D x 15.9mm H
Dimensions (Box)
19.6" W x 2.56" D x 12.2" H 498mm W x 65mm D x 310mm H
Weights
3.42 lbs. 1.55 kg (system unit only) 5.6 lbs. 2.54 kg (box)
Pallet Quantity
102 units per pallet
Limited Warranty
One-year International Travelers Limited Warranty (ITW) ⁽⁵⁾
UPC
195133324120
Part Number
NX.JM.XAA.001

Windows 11 Home
Copilot+ PCs®: A New AI Era Begins Accelerate your productivity and creativity with unique Copilot+ PC experiences, powered by Snapdragon® X Series. 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. ⁽⁶⁾ 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. ⁽⁷⁾ *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 ⁽⁸⁾ Utility App AcerSense™ is a useful utility app that lets you take control of and maintain your PC with one click. AcerSense - Acer Experience Zo 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 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. 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 delicate 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 (10GB with Microsoft® Works 8.5 with Office Home and Student 2007 Trial) of the stated hard disk capacity as dedicated backup space.
(4) Battery life of Aspire 16 AI (A16-11MT) was measured under specific test settings pursuant to web-browsing 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) 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-item or call 800-816-2237. Services and response times may vary in countries outside the U.S. and Canada.
(6) Recall is optimized for select languages (English, Chinese (simplified), French, German, Japanese, and Spanish.) Content-based and storage limitations apply.
(7) This does NOT translate in the reverse (English to these languages)
(8) 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.
© 2025 Acer Inc. All rights reserved. Acer and the Acer logo are registered trademarks of Acer Inc. Other trademarks, registered trademarks, and/or service marks, indicated or otherwise, are the property of their respective owners. All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products.