HP OmniBook X 16 inch Laptop Next Gen AI PC 16-bg0013dx

Copilot+ PC

Designed to empower, built to perform, engineered to last

Style meets strength in the HP OmniBook X Next Gen 16 AI PC. Powerful, durable, and stylish delivering AI-driven performance, stunning visuals, and military-grade reliability built to last.

Product overview

- **Strength that delivers, reliability that endures:** Proven to withstand, this device meets military-grade standards and undergoes rigorous testing to handle drops, shocks, and extreme environments, keeping up with your toughest challenges so you never have to slow down.[69]
- **Smarter power. Smoother performance. Limitless productivity.** Experience enhanced AI processing, smoother graphics, and seamless multitasking powered by an Intel® Core™ Ultra processor with Intel AI Boost delivering 50 NPU TOPS. Connect easily with multiple ports, including a Thunderbolt™ 4 with USB-C® and stay productive longer with HP Fast Charge.
- **Immersive visuals. Cutting-edge tools. Meaningful connections.** Immerse yourself in stunning visuals on a 16 inch 2K OLED touch display.[24] Look and sound your best in every video call with a 5MP IR camera with Auto Switch HDR[89d] for dynamic lighting adjustments, and crystal-clear audio tuning by Poly Studio. Whether you're working or streaming, enjoy premium quality and effortless collaboration.
- **Built for a better tomorrow:** The EPEAT® Gold with Climate+ and ENERGY STAR® certified design highlights our commitment to reducing environmental impact while achieving exceptional energy efficiency.[27][62]

Key specifications

- **Operating system: Windows 11 Home**[1]
- **Processor:** Intel® Core™ Ultra X7 358H[2b]
- **NPU:** Intel® AI Boost (50 NPU TOPS)[6c]
- **Display:** 16-inch diagonal, 2K (2048 x 1280), OLED, multitouch-enabled, 120 Hz, 0.2 ms response time, UWVA, edge-to-edge glass, micro-edge, Low Blue Light
- **Memory:** 32 GB LPDDR5x-8533 MT/s (onboard)
- **Internal storage:** 1 TB PCIe® Gen4 NVMe™ M.2 SSD[15]
- **Graphics:** Intel® Arc™ B390 GPU[14b]
- **Sound:** Poly Studio with dual speakers
- **Battery life:**
  Up to 16 hours and 15 minutes (mixed usage)[85a]
  Up to 19 hours and 30 minutes (video playback)[75]
  Up to 15 hours (wireless streaming)[80]
- **Wireless:** Wi-Fi 7 (2x2)[19d] and Bluetooth® 6.0 wireless card[25b][26]
- **Security:** Camera privacy shutter, Mic mute key
- **Camera:** 5MP IR camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones[89j][89b]
- **Product weight:** 4.60 lb[76]
- **Keyboard:** Full-size, backlit, darker meteor silver opaque keyboard with numeric keypad

Product features

- **Get a fresh perspective with Windows 11:** From a rejuvenated Start menu, to new ways to connect to your favorite people, news, games, and content—Windows 11 is the place to think, express, and create in a natural way.[1]
- **Copilot+ PC Experiences:** Brilliant new AI features designed to take your day from ordinary to extraordinary.[41a]
- **Microsoft Copilot:** Kickstart your creativity and productivity with Microsoft Copilot. Complements your capabilities and creativity with intelligent assistance and relevant answers. And now with the Copilot key, you can access this AI-powered intelligent assistant with a single press of a button.[41]
- **Intel® Core™ Ultra 7 358H processor:** Brings breakthrough battery life, performance, AI efficiency, and built-in Intel® Arc™ graphics for creators, gamers, and multitaskers who demand it all. One laptop, no compromise. That's the power of Intel Inside®.
- **Intel® Arc™B390 graphics:** Get the speed for gaming, editing, rendering, and streaming, without the drain of a dedicated GPU. For creators and ultra-thin gamers, built-in Intel® Arc™ graphics deliver all the power you need.
- **2K OLED 120 Hz touchscreen:** Get sharper and more detailed visuals for editing and content creation with OLED, with 2048x1280 resolution, up to 400 Nits of brightness and 120Hz switchable refresh rate, so you can enjoy the clarity you want for all your creativity to flow.[20]
- **100% DCI-P3:** Showcase your creations in all their colors on the 100% DCI-P3 display for stunning color accuracy and true-to-life colors.
- **VESA Certified DisplayHDR 500:** Pixel dimming presents true black color, high contrast, and low blue light that makes it easier on your eyes to experience richer, deeper colors with 4K HDR support for amazing picture quality.[12]

Additional product features

- **Eyesafe® Certified display:** Protects your eyes from harmful blue light without distorting colors to reduce eyestrain when working for long periods of time.
- **HP Fast Charge:** Go from 0 to 50% charge in approximately 30 minutes.[72]
- **Effortlessly connected:** Boost your connectivity and productivity with a Wi-Fi 7 (2x2) and Bluetooth® 6.0 wireless card, for faster speeds, improved stability and ultimate reliability – even in crowded environments – across all your devices.[19e][25b][26]
- **HP 5MP IR camera with HDR switch:** Take visually stunning works of art with HP 5MP IR camera with HDR switch capabilities. With High Dynamic Range and 16:10 aspect ratio you get HD content natively, so you can capture more gradients between lights and darks for truer color accuracy.[89d]
- **PCIe® Gen4 NVMe™ M.2 SSD:** With high-speed data transfer, the PCIe® Gen4 NVMe™ M.2 SSD offers fast speed and efficient storage.
- **Poly Studio Audio with dual speakers:** HP + Poly together will continuously accelerate innovation across our hybrid solutions, including AI-generated technology. With pitch perfect audio, you'll get the best experience to collaborate anywhere with audio tuned by Poly Studio.
- **HP Audio Boost 2.0:** Powered by Smart Amp technology provides you loud, rich, and dynamic sound.
- **Xbox Game Pass Premium 2-month trial:** Enjoy 2 months of Xbox Game Pass Premium. Free with your new HP Laptop. Access a library of legendary, high-quality games, get exclusive in-game perks, partner discounts, and earn points annually with Xbox Rewards.[60a]

Product design

- **88% screen to body ratio:** Revolutionize your display and see more of what you love with this slim bezel design. Enjoy an immersive multimedia experience with a maximized viewing area.
- **Backlit lattice-less keyboard:** A smoothly backlit lattice-less keyboard provides properly spaced keys, square forms and enlarged lettering. Optimized for precise typing.
- **Camera shutter:** Ensure your privacy with a visible shutter that turns off your PC's camera.
- **Microphone mute:** Enjoy greater peace of mind with a dedicated mic mute button that you can easily activate and know it's on or off with an LED indicator light.
- **HP 100W USB Type-C® GaN power adapter:** Power through your day with our compact GaN wall mount power adapter. It's 48% smaller than previous generation HP power adapters, with fast-charging capabilities that keep you productive wherever you go.[73]

Created with the planet in mind

HP is dedicated to driving progress toward a more sustainable future and making responsible choices for the environment and our customers. We are innovating new ways to reduce the amount of materials in our products and packaging—and to use more recycled materials in their design. Together we can make a difference.
- Built with the environment in mind, this laptop is designed using sustainable materials like:
  · Ocean-bound plastic in bezel and speaker enclosures[63c]
  · Recycled metal in top cover, base, keyboard deck and hinge caps[63d]
  · Post-consumer recycled plastic in keyboard plate, scissors and keycaps[63j]
- HP's outer boxes and fiber cushions used in packaging are 100% sustainably sourced and recyclable[63e]
- ENERGY STAR® certified[62]
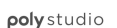- EPEAT® Gold with Climate+ registered[27]

Warranty and support

Our Customer Support Team consistently provides quick, responsive assistance in the U.S., Canada and Latin America.

Included with your product:
- **HP's Hardware Limited Warranty:** Full warranty details are included with your product.
- **Technical Support for Software & initial set-up:** Warranty details are included with your product.

Support Options:
- **HP Support Assistant - HPSA:** Optimized to enhance your support experience. Help for your PC and HP printers whenever you need it.[56]
- **Online Support:** For technical support with this product, visit HP Customer Support http://support.hp.com.[9]
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Community at community.hp.com, on X at x.com/HPSupport, and Facebook at facebook.com/HPSupport.[9]

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Specifications

Operating system	• **Windows 11 Home**[1]
Processor	• Intel® Core™ Ultra X7 358H (up to 4.8 GHz with Intel® Turbo Boost Technology, 18 MB L3 cache, 16 cores, 16 threads)[2b][2g]
NPU	• Intel® AI Boost (50 NPU TOPS)[6c]
Memory	• 32 GB LPDDR5x-8533 MT/s (onboard)
Video graphics	• Intel® Arc™ B390 GPU[14b]
Internal storage	• 1 TB PCIe® Gen4 NVMe™ M.2 SSD[15]
Finish and features	• Top cover: meteor silver aluminum with a sandblasted anodized finish • Keyboard deck: meteor silver aluminum with a sandblasted anodized finish
Camera	• 5MP IR camera with HDR auto switch, temporal noise reduction and integrated dual array digital microphones[89][89b]
Display	• 16-inch diagonal, 2K (2048 x 1280), OLED, multitouch-enabled, 120 Hz, 0.2 ms response time, UWVA, edge-to-edge glass, micro-edge, Low Blue Light, SDR 400 nits, HDR 620 nits, 100% DCI-P3, 1,000,000:1[20]
Screen to body ratio	• 88%[40d]
Wireless	• Wi-Fi 7 (2x2)[19d] and Bluetooth® 6.0 wireless card[25b][26]
Sound	• Poly Studio with dual speakers • DTS: X® Ultra
Integrated keyboard	• Full-size, backlit, darker meteor silver opaque keyboard with numeric keypad • HP Imagepad
External notebook ports	• 1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery 3.1, DisplayPort™ 2.1, HP Sleep and Charge)[42][50][51][64] • 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery 3.1, DisplayPort™ 1.4a, HP Sleep and Charge)[42][50][64] • 1 USB Type-A 5 Gbps signaling rate • 1 USB Type-A 10Gbps signaling rate • 1 Headphone/microphone combo • 1 HDMI 2.1
Dimensions	• **Unpackaged:** 14.08 in (W) x 10.03 in (D) x 0.59 in (H)[76a] • Front height is measured at 0.44 in, rear height is measured at 0.59 in, and maximum height is measured at 0.78 in. • **Packaged:** 16.65 in (L) x 3.15 in (W) x 11.93 in (H)
Weight	• **Unpackaged:** 4.60 lb[76] • **Packaged:** 6.64 lb
Security	• Camera privacy shutter • Mic mute key
Power	• 4-cell, 70 Wh Li-ion polymer battery[21] • 100 W USB Type-C® GaN power adapter[42]
Battery life	• Up to 16 hours and 15 minutes (mixed usage)[85a] • Up to 19 hours and 30 minutes (video playback)[75] • Up to 15 hours (wireless streaming)[80]
Warranty and support	• 1-year limited hardware warranty. Additional information available at www.support.hp.com[9] • 1-year limited technical support for software and initial setup (from date of purchase)[53]

Software and technology

Next Gen AI Apps	• **Click to Do (preview):** Tap, click, done--faster actions, less thinking. Increase productivity and creativity with instant actions on screen-recognized text and images.[41a] • **Generative fill:** Make your photos feel untouched yet upgraded. Add new details to photos - without a trace - using generative fill. It's like it was there all along.[41a] • **Recall (preview):** Homework? Recipe? YouTube video? Fly back in time to get right back to where you were on your PC. Drop a hint to track it down in seconds, like magic.[41a] • **Improved Windows Search:** Skip the scavenger hunt – just type what you remember and improved Windows Search delivers. Docs, settings, or images? Use File Explorer, Windows Search, or Settings Search.[41a]

Help and support	• **HP Support Assistant:** Included with your computer, this free self-help tool makes it easier than ever to get help with your HP PC and printers.[56] • **HP App:** Provides a simple setup and registration experience that welcomes you to your new HP PC. Customize, optimize, and secure your device with tips and tricks and easy-to-access settings, and receive helpful messages and information to keep things running smoothly.
Security and protection	• **HP BIOS Protection:** Get peace of mind knowing your PC BIOS is protected. HP BIOS Protection automatically checks its health and recovers itself.[23] • **Presence Sensing:** Experience optimal security and efficiency. Automatically lock and wake your PC, saving power and getting back to work quickly. Easy access with a single click from the HP App.[77]
Partner offers	• **Adobe Offer:** Get a complimentary 1 month trial of the best creativity and productivity apps from Adobe with the purchase of a computer from HP. Create anything you can imagine – photos, videos, graphics, webpages, PDFs, and more. Get started with the app that best fits your need.[88a] • **McAfee Premium Individual 30-day trial:** Secure your device with award winning antivirus and online protection. Free trial includes secure VPN for privacy and data protection when browsing on public Wi-Fi.[8][8] • **Dropbox cloud storage:** Store and synchronize your content online with Dropbox. Get 100GB of storage for 90 days to access, manage, and share your photos, music, and files from anywhere with Internet access.[9][22] • **Xbox Game Pass Premium 2 month trial:** Enjoy 2 Months of Xbox Game Pass Premium. Free with your new HP Laptop.[60a]
System performance	• **Dynamic Wallpaper:** Bring your PC to life with dynamic wallpapers that move with your mood and match your style. • **HP Connection Optimizer:** Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points.[9] • **Battery Manager:** Improves battery lifespan and reduces wear. Continually protects optimum battery capacity.
Work and lifestyle	• **Microsoft Copilot:** Microsoft Copilot gives you intelligent answers. Access with just the touch of the Copilot key.[41] • **Poly Camera Pro:** Elevate your video calls with AI from any camera connected to enhance virtual interactions, customizable settings and professional grade features across all collaboration and streaming apps, without sacrificing performance or battery.[9] • **Screen Distance and Screen Time:** Offers a customized experience to support the wellbeing of the whole family. Manage reminders for balanced productivity and encourage proper posture while minimizing eyestrain. • **Copilot+ PC Experiences:** Brilliant new AI features designed to enrich your everyday life. Transform mundane tasks from ordinary to extraordinary. Save time, make plans, be more creative. Now, you never have to miss a beat.[41a] • **Advanced AI Noise reduction:** Enjoy clearer team conversations. Using the Advanced Personal Mode, it tracks only your voice during conference calls while automatically filtering out noises and other speakers for distinctively focused communications. • **Smart Display with Screen Shift and Task Group features:** Seamless multitasking on multiple displays with one-click to shift, snap, and launch windows where you want.[94a]
Gaming and entertainment	• **DTS: X® Ultra technology:** By producing authentic, spatially accurate 3D sound, this technology gives games, movies, and music a level of depth and immersion for the best entertainment experience possible.[47] • **OMEN Gaming Hub:** Your one place for everything to make your gaming experience better. From software enhancements to hardware control, and live services, OMEN Gaming Hub elevates play in an easy and simple way. • **DTS Sound Unbound:** Experience immersive, cinema-quality 3D audio that elevates movies, games, and music. Feel every whisper, step, and boom come from exactly where it should. Rich, spatial sound puts you right at the center of the action.[47] • **OMEN AI:** Provides personalized settings recommendations to achieve the best possible FPS with minimum hassle.

Additional information

Product number	• CL2U7UA#ABA
Ad embargo date	• 02/22/2026
UPC Code	• 197764127372
Country of origin	• China, Thailand
Pallet information	• **Dimensions:** 47.24 in (L) x 39.37 in (W) x 42.29 in (H) • **Total weight:** 631.6 lb • **Layers:** 3 • **Products per layer:** 30

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