Datasheet

HP ZBook Ultra G3a 16 inch Mobile Workstation PC

Built for AI. Ready for pro workflows. Wherever work happens.

Reinvent how you work with HP ZBook Ultra G3a 16". Run massive AI models and agents locally, up to 300B parameters, with faster tokens per second while tackling intensive workflows[1]. Now you can reduce token costs, help keep data secure, and move to production—all while on the go.

Power it all. No bottlenecks.

Accelerate complex, multi-software 3D and AI workflows with an AMD Ryzen™ AI Max PRO 400 Series CPU[2], integrated Radeon graphics and large memory configurations[3]. New HP thermals keep things cool and quiet.

Massive models. Intelligent agents. Workflows redefined.

Put AI to work alongside you. Run massive LLMs and AI agents locally to automate routine tasks and accelerate complex workflows. Use Perplexity[4] connectors and HP-exclusive skills to get started faster and do more with tools like Autodesk Revit[7].

Built to move. Engineered for comfort.

Move seamlessly from the office to the field on the thin and light HP ZBook Ultra 16" G3a Mobile Workstation. With all-day battery[8], reliable connectivity options[5], a 16" display, and large haptic trackpad, work uninterrupted wherever you go.

*Product image may differ from actual product

Sustainability in action

Designed with purpose.

The ZBook Ultra 16 is thoughtfully designed with at least 80% post-industrial recycled plastic[6] on the external covers, a clean internal component layout for easy serviceability and an easily replaceable keyboard for international deployments.

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Featuring

Power it all. No bottlenecks.
Accelerate complex, multi-software 3D and AI workflows with an AMD Ryzen™ AI Max PRO 400 Series CPU[2] with up to 16 desktop-class cores, integrated Radeon graphics and up to 192GB unified system memory[3]. New HP thermals keep things cool and quiet.

Massive models. Intelligent agents. Workflows redefined.
Put AI to work alongside you. Run massive LLMs and AI agents locally to automate routine tasks and accelerate complex workflows. Use Perplexity[4] connectors and HP-exclusive skills to get started faster and do more with tools like Autodesk Revit[7].

Built to move. Engineered for comfort.
Move seamlessly from the office to the field on the thin and light HP ZBook Ultra 16" G3a Mobile Workstation. With all-day battery[8], HP Go 5G connectivity[5], a 16" display, and large haptic trackpad, work uninterrupted wherever you go.

Designed with purpose.
The ZBook Ultra 16 is thoughtfully designed with at least 80% post-industrial recycled plastic[6] on the external covers, a clean internal component layout for easy serviceability and an easily replaceable keyboard for international deployments.

HP recommends Windows 11 Pro for business with Microsoft Copilot
Work anywhere without compromising on performance with Windows 11 and HP collaboration, security, and connectivity technology. Summarize and rewrite content, get relevant content recommendations, and stay organized with Microsoft Copilot.[12,15]

AMD Ryzen™ AI Max PRO
Powered by the next-gen AMD Ryzen™ AI Max PRO processor, this high-performance SoC delivers exceptional performance-per-watt, giving ultra-portable devices the muscle to handle complex creation and AI tasks.[2]

Large memory and allocatable VRAM control via GUI
Accelerate complex 3D, AI, and multi ISV app workflows with up to 192GB of unified memory, sharing up to 160GB dedicated VRAM via BIOS or AMD GUI.[9]

Revolutionary thermal design
Keep your device cool even under heavy workloads, with ZBook's newest thermal innovation. Featuring mid-mount fans with four times larger fin surface area that helps unlock 81% better performance than the ZBook Ultra G1a.[10]

Download and run large LLMs.
Run massive AI models locally to help keep your data private and reduce cloud token costs. Get up to 55 NPU TOPs and up to 160 GB assigned VRAM—powerful compute to support local AI development and inference up to 300B parameters LLMs.[9,11]

Perplexity AI with connectors and HP-exclusive skills
Bring AI into the professional tools you already use. Perplexity connectors and HP-exclusive skills help you learn faster, automate tasks, and get more done with applications like Autodesk Revit.[4,7]

Power Agentic AI Locally
Build and run AI agents locally while powering multiple pro apps. Let AI agents automate routine tasks in the background and accelerate learning, so you stay focused on what matters most.[13]

Thin and light with a 16-inch screen
Work uninterrupted, wherever work takes you. At 17.9mm (0.7 inches) thin, the HP ZBook Ultra is the thinnest ZBook with a 16-inch display for desk-sized space in a travel-ready form.

Poly Camera Pro and Audio
Look and sound your best on video calls with Poly Camera Pro and Poly Studio. Real-time noise cancellation keeps calls clear and dynamic voice leveling enhances voice clarity. Auto Frame, Spotlight, Background Blur save power running on the NPU.[14]

5MP + IR Camera
Whether on a call or recording videos, the 5MP + IR camera, featuring Temporal Noise Reduction, provides exceptional clarity and increased definition. Want to make sure no one is watching? Simply close the physical shutter to block the camera's view.

Seamless 5G connectivity
Stay connected even when you're off the grid with HP Go 5G connectivity for uninterrupted connectivity wherever work takes you.[5]

Long-lasting battery power
With all-day battery life, this workstation keeps going. Whether on long-haul international flights or in the field, you can code, collaborate and create for hours—models to real-time visualizations—without reaching for the charger.[8]

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Technical specifications

Available Operating Systems	Windows 11 Pro[1] Windows 11 Home Single Language – HP recommends Windows 11 Pro for business[1] Windows 11 Home – HP recommends Windows 11 Pro for business[1] Windows 11 Pro (Windows 11 Enterprise available with a Volume Licensing Agreement)[1] FreeDOS Ubuntu 26.04 LTS[9]
Processor family[2,3,4,5]	AMD Ryzen™ AI Max PRO processor
Available Processors[2,3,4,5]	AMD Ryzen™ AI Max+ 495 (up to 5.2 GHz max boost clock, 64 MB L3 cache, 16 cores, 32 threads) with AMD Radeon™ 8065S Graphics and AMD Ryzen™ AI (55 NPU TOPS); AMD Ryzen™ AI Max+ PRO 495 (up to 5.2 GHz max boost clock, 64 MB L3 cache, 16 cores, 32 threads) with AMD Radeon™ 8065S Graphics and AMD Ryzen™ AI (55 NPU TOPS); AMD Ryzen™ AI Max PRO 490 (up to 5.0 GHz max boost clock, 64 MB L3 cache, 12 cores, 24 threads) with AMD Radeon™ 8050S Graphics and AMD Ryzen™ AI (50 NPU TOPS); AMD Ryzen™ AI Max PRO 485 (up to 5.0 GHz max boost clock, 32 MB L3 cache, 8 cores, 16 threads) with AMD Radeon™ 8050S Graphics and AMD Ryzen™ AI (50 NPU TOPS); AMD Ryzen™ AI Max PRO 480 (up to 4.9 GHz max boost clock, 16 MB L3 cache, 6 cores, 12 threads) with AMD Radeon™ 8040S Graphics and AMD Ryzen™ AI (50 NPU TOPS); AMD Ryzen™ AI Max 490 (up to 5.0 GHz max boost clock, 64 MB L3 cache, 12 cores, 24 threads) with AMD Radeon™ 8050S Graphics and AMD Ryzen™ AI (50 NPU TOPS); AMD Ryzen™ AI Max 485 (up to 5.0 GHz max boost clock, 32 MB L3 cache, 8 cores, 16 threads) with AMD Radeon™ 8050S Graphics and AMD Ryzen™ AI (50 NPU TOPS)
Neural Processing Unit	AMD Ryzen™ AI[5]
Product colour	Eclipse gray
Maximum memory	192 GB LPDDR5X-10700 MT/s non-ECC; [7] Transfer rates up to 8533 MT/s
Internal storage	1 TB up to 8 TB PCIe® Gen5x4 NVMe™ SSD[11] 512 GB up to 2 TB PCIe® Gen5x4 NVMe™ M.2 SED SSD[11] 512 GB PCIe® Gen5 NVMe™ SSD Value[11] Up to 8 TB
Display size (diagonal, metric)	40.6 cm (16")
Display[10,24]	16" diagonal, WQUXGA (3840 x 2400), 120 Hz, IPS, anti-glare, micro-edge, 500 nits, HP DreamColor DCI-P3 100%; 16" diagonal, WQUXGA (3840 x 2400), 120 Hz, UWVA, anti-glare, WLED, 500 nits, 100% DCI-P3, HP DreamColor; 16" diagonal, 2.8K (2880 x 1800), up to 120 Hz, OLED, UWVA, Direct Bonding Touch Screen, BrightView, Low Blue Light, 500 nits, 100% DCI-P3; 16" diagonal, 2.5K (2560 x 1600), up to 120 Hz, UWVA, anti-glare, WLED, Low Blue Light, 400 nits, 100% Adobe RGB; 16" diagonal, WUXGA (1920 x 1200), UWVA, anti-glare, WLED, Low Blue Light, 400 nits, low power, 100% sRGB 40.6 cm (16") diagonal, WQUXGA (3840 x 2400), 120 Hz, UWVA, anti-glare, WLED, 500 nits, 100% DCI-P3, HP DreamColor; 40.6 cm (16") diagonal, 2.8K (2880 x 1800), up to 120 Hz, OLED, UWVA, Direct Bonding Touch Screen, BrightView, Low Blue Light, 500 nits, 100% DCI-P3; 40.6 cm (16") diagonal, 2.5K (2560 x 1600), up to 120 Hz, UWVA, anti-glare, WLED, Low Blue Light, 400 nits, 100% Adobe RGB; 40.6 cm (16") diagonal, WUXGA (1920 x 1200), UWVA, anti-glare, WLED, Low Blue Light, 400 nits, low power, 100% sRGB
Available Graphics	Integrated: AMD Radeon™ Graphics
Audio	Audio by Poly Studio, 4 integrated stereo speakers (1W/8 ohm per speaker), discrete amplifiers, 2 integrated dual array digital microphones
Ports and connectors	Left side: 1 HDMI 2.1; 1 headphone/microphone combo; 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1)[12,13,14] ; Right side: 1 USB Type-A 10Gbps signaling rate; 1 SD card reader; 1 nano security lock slot; 1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1)[12]
Input devices	Spill-resistant, backlit keyboard; HP Standard Notebook Keyboard, spill-resistant, Backlit, DuraKeys keyboard.; Clickpad with multi-touch gesture support; Microsoft Precision Touchpad with gesture support
Communications	WLAN: MediaTek Wi-Fi 7 MT7925 (2x2) and Bluetooth® 6.0 AIM-T wireless card[16,17] ; WWAN: HP R18 5G Solution; HP R18 5G HP Go Solution[15,18,49] ; LPWAN: HP RW220-GL LTE (Low Power) (CAT-1bis)[19]
Camera	FHD camera; 5 MP IR AI camera
Software	HP PC Hardware Diagnostics UEFI; Buy Microsoft Office (sold separately)[58]; Copilot in Windows with Copilot key[57,61]; HP Connection Optimizer; HP Hotkey support; HP MAC Address Manager; HP Notifications; HP UEFI BIOS Certification Level 2.9; HP PC Hardware Diagnostics Windows; HP Privacy Settings; HP Services Scan[38]; HP Smart Support[40]; HP Support Assistant[51]; HP App; HSA Fusion for Commercial; HSA Telemetry for Commercial; Poly Camera Pro; Poly Studio Desktop[59]; Edge Customization; Data Science Stack[36]; Ubuntu Data Science Stack; HP IQ[62]
Security management	HP Sure Admin[2939]; HP Sure Click[34]; HP Sure Recover[30]; HP Sure Run[31]; HP Sure Sense[37]; HP Sure Start[32]; Secured-Core PC Enable[33]; Windows Hello Enhanced SIgn-in Security (ESS) Enable[25]; Absolute Persistence Module[44]; HP BIOS Recovery; BIOS Update via Network; HP BIOSphere; HP DriveLock and Automatic DriveLock; HP Secure Erase[22]; HP Wake on WLAN; Audio Permanent Disable
Security Software Licenses	HP Wolf Pro Security Edition[56]
Fingerprint reader	Fingerprint reader (select models)

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Technical specifications

Management features	HP Client Catalog (download)[52]; HP Client Management Script Library (download)[53]; HP Cloud Recovery[26]; HP Patch Assistant (download); HP Image Assistant (download)[55]; HP Manageability Integration Kit (download)[27]; HP Power Manager with Battery Health Manager (download)[60]; HP Driver Packs (download)[54]; HP Connect for Microsoft Endpoint Manager[28]
Memory card device	Nano SIM card slot (optional)
Power	180 W USB Type-C® GaN power adapter; 140 W USB Type-C® GaN power adapter[20,42]
Battery type	HP Long Life 6 cell, 96 Wh Polymer[41];
Battery life	Up to 14 hours
Battery recharge time	Supports battery HP fast charge: approximately 50% in 30 minutes[43]
Dimensions	14.02 x 9.45 x 0.70 in; 35.6 x 24.0 x 1.79 cm; (Dimensions vary by configuration)
Weight	Starting at 4.20 lb; Starting at 1.9 kg; (Weight varies by configuration and components.)
Ecolabels	EPEAT Gold with Climate+[64]
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Low halogen PCAs; Molded paper pulp cushion inside box is made of 100% recycled or certified sources; Outside box and corrugated cushions are 100% from certified or recycled sources and recyclable; At least 60% post-consumer recycled plastic; Bulk packaging available; External power supply 90% efficiency[45,46,47,48,50]

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Footnotes

Messaging Footnotes

[9] Memory is an optional feature that must be configured at purchase.
[10] Compared to the ZBook Ultra G1a.
[1] As compared to running cloud models. Local AI capabilities, model support, tokens per second, and performance vary by model, configuration, software, and workload.
[2] Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. AMD's numbering, branding, and/or naming is not a measurement of higher performance. Optional feature that must be configured at purchase. Features and software that require an NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.
[3] Memory is an optional feature that must be configured at purchase. Up to 192GB unified system memory is available on select configurations. Memory speed varies by capacity: up to 8533 MT/s for 16GB, 32GB, and 64GB configurations, and up to 8000 MT/s for 128GB and 192GB configurations. Actual performance varies by configuration, application, workload, and other factors.
[4] Perplexity 30-day trial. Click on the Perplexity icon in the start menu or task bar to take advantage of a 30-day trial membership of select Perplexity products. Subscription required after expiration. Offer is tied to the device and is not transferrable. Offer subject to change without notice. See Perplexity for complete details. Perplexity features, connectors, and supported integrations vary by software, application version, and region.
[5] HP 5G module is optional and must be configured at the factory. Module designed for 5G NR NSA (non-standalone) networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100Mhz of 5G NR and LTE channel bandwidth, using 256QAM 4x4 as defined by 3GPP. Module requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Data connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported. HP Go is available as a separate subscription in North America, requires 5G and must be configured at the time of purchase on select HP commercial laptops and workstations.
[6] Post-consumer recycled plastic is expressed as a percentage of the total weight of the plastic, based on the definition set in the EPEAT criteria.
[7] Third-party software sold separately.
[8] Up to 16.5 hours battery life with (MM30) and 96whr battery. Based on preliminary engineering estimates. Battery life will vary depending on the product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See MobileMark30 battery benchmark.
[11] As compared to running cloud models. Local AI capabilities, model support, tokens per second, and performance vary by model, configuration, software, and workload. Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. AMD's numbering, branding, and/or naming is not a measurement of higher performance. Optional feature that must be configured at purchase. Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third-party software may have specific configuration or compatibility requirements. Performance varies by use, configuration, and other factors.
[12] Microsoft Copilot requires Windows 11. Some features require an NPU. Timing and availability will be dependent on Microsoft and varies by market and device. Requires Microsoft account to log in. Where Copilot is not available, the Copilot key will lead to the Bing search engine. See http://aka.ms/WindowsAIFeatures .
[13] Local AI capabilities, model support, tokens per second, and performance vary by model, configuration, software, and workload.
[14] Requires Windows OS.
[15] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software, or BIOS update to take full advantage of Windows functionality. Windows 11 is automatically updated, which is always enabled. High speed internet and Microsoft account required. ISP fees may apply, and additional requirements may apply over time for updates. See http://www.windows.com .

Specification Footnotes

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 11 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com .
[2] Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. AMD's numbering is not a measurement of clock speed.
[3] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.
[4] Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
[5] Features and software that require a NPU may require software purchase, subscription or enablement by a software or platform provider, and third party software may have specific configuration or compatibility requirements. Potential NPU inferencing performance varies by use, configuration, and other factors.
[7] Memory is non-accessible / non-upgradeable.
[9] Not all features are available in all editions or versions of Ubuntu. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS to take full advantage of Ubuntu functionality. Ubuntu may be automatically updated. ISP fees may apply and additional requirements may apply over time for updates.
[10] Actual brightness will be lower with touchscreen or Sure View.
[11] For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 32 GB is reserved for system recovery software.
[12] Thunderbolt™ 4 and USB4™ maximum speed of 40Gbps will be divided between the different data workstreams.
[13] HDMI cable sold separately.
[14] 20Gbps is not available with Thunderbolt™ 4. Actual throughput may vary.
[15] HP 5G module is optional and must be configured at the factory. Module designed for 5G NR NSA (non-standalone) networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100Mhz of 5G NR and LTE channel bandwidth, using 256QAM 4x4 as defined by 3GPP. Module requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Data connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported.

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Footnotes

Specification Footnotes

[16] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires compatible Windows 11 OS, compatible processor, and separately purchased Wi-Fi 7 router to support backwards compatibility with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.
[17] Test configuration: MobileMark 30 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See http://www.bapco.com for additional details. Battery life based on video playback, WUXGA (1920 x 1200) resolution, 150nits brightness, system audio level as image default, player audio level at 50 %, played full-screen from local storage, headphone attached, wireless on but not connected. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage.
[18] WWAN is an optional feature and requires factory configuration and separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, and in all regions.
[19] Cat M1 LPWAN (Mobile Narrowband) cards support select platforms with the HP Protect & Trace with Wolf Connect service, but do not support mobile broadband/Internet use.
[20] Higher wattage adapter is recommended for best performance and fastest charging.
[21] Support HD decode, DX12, HDMI 1.4, HDCP 2.2 via DP up to 4K @ 60Hz and via HDMI up to 4K @ 30Hz.
[22] HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 ""Clear"" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.
[23] HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html .
[24] HD content required to view HD images.
[25] Windows Hello face authentication utilizes a camera specially configured for near infrared (IR) imaging to authenticate and unlock Windows devices as well as unlock your Microsoft Passport.
[26] HP Cloud Recovery is available for Z by HP, HP Elite and Pro desktops and laptops PCs with Intel® or AMD processors and requires an open, network connection. Note: You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Detail please refer to: https://support.hp.com/us-en/document/c05115630 .
[27] HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html .
[28] HP Connect for Microsoft Endpoint Manager is available from the Azure Market Place for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager required and sold separately. Network connection required.
[29] HP Sure Admin requires HP G8 or newer platforms, Windows 10 or higher, HP BIOS, HP Manageability Kit or KMS Service from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator.
[30] HP Sure Recover is available on select HP PCs and requires Windows 10 or 11 and an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. HP Sure Recover Gen6 with Embedded Reimaging is an optional feature on select HP PCs which requires Windows 10 or 11 must be configured at purchase. You must back up important files, data, photos, videos, etc. before use to avoid loss of data.
[31] HP Sure Run is available on select HP PCs and requires Windows 10 and higher.
[32] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.
[33] Secured-Core PC Enable requires an Intel® vPro®, AMD Ryzen™ Pro processor or Qualcomm® processor with SD850 or higher and requires 8 GB or more system memory. Secured-core PC is enabled from the factory.
[34] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.
[35] HP Sure View Reflect integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
[36] HP App requires Windows 10 or higher OS.
[37] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.
[38] HP Services Scan automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit http://www.hp.com/smart-support .
[39] HP Tamper Lock is an optional feature that must be configured at the factory and requires a supervisor password be established prior to use. HP Tamper Lock can be Enabled/disabled by customers or IT administrator with administrator authority.
[40] HP Smart Support requires the HP Insights agent to be installed. For more information about how to enable or to download HP Smart Support, please visit http://www.hp.com/smart-support. HP Services Scan is preinstalled and/or provided thru Windows Update and will check entitlement on each hardware device to determine if an HP Insights agent-enabled service has been purchased, and will download applicable software automatically. HP Insights agent is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP follows stringent GDPR privacy regulations and is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access is required. For full system requirements or to disable this feature, please visit https://www.hpdaas.com/requirements.
[41] For new batteries, actual battery Watt-hours (Wh) may differ from the design capacity and may have a full charge capacity that differs by up to 10, which is typical for lithium-ion batteries. Battery capacity naturally decreases over time and with use, depending on several factors such as battery health management settings, shelf life, temperature, environment, loaded apps, features, system configuration, and power settings.
[42] Power supply availability may vary by country.
[43] Recharges up to 50% within 30 minutes when the system is off or in standby mode when used with the power adapter provided with the notebook. Power adapter minimum of 65 watts required for battery capacities 56Whr or less. Power adapter minimum of 100 watts required for battery capacities greater than 56Whr and less than 83Whr. Power adapter minimum of 120 watts required for battery capacities greater than 83Whr and less than 100Whr. After charging has reached 90% capacity, charging speed will return to normal. Charging time may vary +/-10% due to System tolerance.
[44] HP BIOSphere features may vary depending on the platform and configuration.
[45] Recycled metal is expressed as a percentage of the total weight of the metal according to ISO 14021 definitions for metal parts over 25 grams.
[46] Recycled plastic is expressed as a percentage of the total weight plastic. Recycled content is based on the definition set in the EPEAT criteria.
[47] Fiber used in paper-based packaging is sourced from certified or recycled sources per HP's Paper Sourcing Policy; certifications such as FSC® apply at the supplier level. Packaging parts contain certified or recycled fibers and are typically recycled in your local paper/carton recycling bin, consult your local guidelines.
[48] Ocean Bound plastic is based on the definition set by the UL2809 standard.
[49] Select SKUs of HP Commercial PC and workstations are configured for HP Go activation. HP Go service plan sold separately.
[50] External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.
[51] HP Support Assistant is available on Windows. For more information, please visit www.support.hp.com/help/hp-support-assistant .
[52] HP Client Catalog not preinstalled, however available for download at https://www.hp.com/us-en/solutions/client-management-solutions.html .
[53] HP Client Management Script Library https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools .
[54] HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement .
[55] HP Image Assistant not preinstalled, however available for download at https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html .
[56] HP Wolf Security for Business requires Windows 10 or 11 Pro or higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features.
[57] Copilot+ in Windows requires Windows 11. Some features require an NPU. Timing of feature delivery and availability varies by market and device. Requires Microsoft account to log in. Where Microsoft in Windows is not available, the Copilot key will lead to the Bing search engine. See aka.ms/copilotpluspcs .
[58] Microsoft 365 sold separately and requires Internet access for activation.
[59] Poly Studio Desktop requires a Windows OS.
[60] HP Power Manager with Battery Health can be downloaded by entering your system information here: https://support.hp.com/in-en/document/ish_4449597-3519507-16 .
[61] May require Windows Update or app download from the Microsoft Store. Microsoft Copilot is NOT available in China, Russia, Belarus, and embargoed regions Cuba, Iran, North Korea, Crimea.
[62] HP IQ delivery app is preloaded on select HP PCs; it will be automatically updated to the future featured HP IQ application if you have auto updates enabled in Windows or will be available for download from the Microsoft Store. The future featured HP IQ app uses artificial intelligence. Features vary by configuration. For complete details see https://support.hp.com/us-en/document/ish_13696672-1369671-16 .
[64] EPEAT registered where applicable, tier levels may vary by country. See www.epeat.net for registration status and tier levels by country.

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