HP ZBook Studio 16 inch G11 Mobile Workstation PC

Powerfully immersive. Perfectly sized



Be ready when inspiration strikes. Packed with professional performance in an incredibly sleek PC that comfortably fits in your bag, the ZBook Studio is engineered to get you in the zone and help you stay focused. Now you can build complex assemblies, render in real-time or visualize data—from anywhere.

Power to push the limits

Push your workflow further with up to an Intel® Core™ Ultra 9 CPU with optional Intel vPro®^{1,2} NVIDIA RTX™ Ada Laptop GPU or GeForce RTX™ GPU,³ and 64 GB RAM.⁴ From 3D design to machine learning this PC delivers peak performance.

Immerse in your work

Get complete color accuracy and a 120Hz refresh rate⁶ with a 16:10 HP DreamColor display³ or choose an OLED display for absolute blacks and extreme whites.³ Customize your keyboard lighting and highlight shortcuts with RGB per-key LED backlighting.⁵

Create and collaborate everywhere

Follow inspiration wherever it strikes with a thin and light laptop that delivers the power to run the software you need on the go. Work and collaborate effectively with a long-lasting battery⁹, Al Noise Suppression⁷ and Wi-Fi 7.⁸

Help protect our shared future with PCs that drive towards increasing sustainability

At HP, we care about the impact our products have on our people, communities, and the planet. That's why this device is EPEAT® Gold registered¹¹ and the outer box packaging is 100% sustainably sourced¹².

HP ZBook Studio 16 inch G11 Mobile Workstat<u>ion PC</u>







Windows 11

Work without compromising on performance with Windows 1113 combined with HP's collaboration and security technology.

Intel® Core™ Ultra Processor¹

Unleash productivity with a new architecture that delivers power-efficient performance for complex business workloads and is purpose-built for the next era of AI software by sending the right task to the right engine at the right time.

NVIDIA® Graphics

With up to an NVIDIA RTX 3000 Ada Laptop GPU, accelerate rendering, graphics and compute workflows to unlock new levels of productivity.3

Lightning-Fast Storage

Blitz through multiple tasks and ditch external drives with up to 4 TB PCIe Gen4 NVMe storage. 14,15

Large Memory Configurations

Accelerate your workflow. Power through projects with up to 64 GB RAM¹⁶ for fast rendering, editing, and visual effects performance.

HP DreamColor Display

Have confidence in what you see on screen with an optional HP DreamColor Display with 100% DCI-P3 color gamut and a 120Hz refresh rate you get smooth motion for high-speed videos.^{3,17}

Z Command Keyboard

Used to working on a Mac? Now you can choose the Z Command Keyboard, which replicates a Mac layout, for a seamless switch. 18

Z Light Space

With Z Light Space software, ¹⁹ customize your keyboard lighting with the RGB per-key LED backlighting. ⁵ For commonly used software apps, like Adobe Photoshop, AutoCAD or SOLIDWORKS, ²⁰ use pre-loaded color-maps or create your own.

16:10 Aspect Ratio

The 16:10 aspect ratio reduces the need to scroll by showing 11% more vertical content than a 16:9 aspect ratio display. See more of your project without minimizing program menus or toolbars.

Easy Battery Management

Manage and monitor your battery's performance and condition and customize charging options with the easy-to-use HP Power Manager dashboard.²¹

HP Fast Charge

Long battery life gets you through a day of meetings without plugging in. Quickly recharge your PC with HP Fast Charge. You'll get up to 50% battery life in just 30 minutes of charging.²²

Battery life

When you're away from the office, this sleek, ultralight PC is ready every step of the way. With long battery life, you can work on complex projects from almost anywhere.

HP ZBook Studio 16 inch G11 Mobile Workstation PC

Specifications Table

Available Operating Systems	Windows 11 Pro – HP recommends Windows 11 Pro ¹ Windows 11 Home – HP recommends Windows 11 Pro for Business ¹ FreeDOS 3.0
Processor family ^{2,3,4,5,6,9,47}	Intel® Core™ Ultra 5 processor; Intel® Core™ Ultra 7 processor; Intel® Core™ Ultra 9 processor
Available Processors ^{2,3,4,5,6,9}	Intel® Core™ Ultra 9 185H (Up to 3.8 GHz E-core Max Turbo frequency, up to 5.1 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 22 threads) supports Intel® Pro® Technology Intel® Core™ Ultra 7 165H (Up to 3.8 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 22 threads) supports Intel® Pro® Technology Intel® Core™ Ultra 7 155H (Up to 3.8 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 22 threads) Intel® Core™ Ultra 5 135H (Up to 3.6 GHz E-core Max Turbo frequency, up to 4.6 GHz P-core Max Turbo frequency, 18 MB L3 cache, 4 P-cores and 8 E-cores, 18 threads) supports Intel® Pro® Technology
Maximum memory	64 GB DDR5-5600 non-ECC SODIMM 11 Memory is SODIMM. Supports dual channel memory.
Memory slots	2 SODIMM; supports dual channel ²³
Internal storage	512 GB up to 4 TB PCIe® Gen4 x4 NVMe [™] M.2 SSD ¹⁰ 512 GB up to 1 TB PCIe® NVMe [™] M.2 SED SSD ¹⁰
Maximum storage capacity	Up to 4 TB
Display size (diagonal)	16"
Display size (diagonal, metric)	40.6 cm (16")
Display ^{15,16,17,18}	16" diagonal, WQUXGA (3840 x 2400), OLED, touch, BrightView, eDP + PSR, micro-edge, Low Blue Light, 400 nits, 100% DCI-P3 16" diagonal, WQUXGA (3840 x 2400), 120 Hz, IPS, anti-glare, eDP + PSR, micro-edge, 500 nits, 100% DCI-P3, HP DreamColor 16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, eDP + PSR, micro-edge, 400 nits, 100% sRGB 16" diagonal, WUXGA (1920 x 1200), IPS, anti-glare, eDP + PSR, micro-edge, 1000 nits, 100% sRGB, HP Sure View integrated privacy screen 40.6 cm (16") diagonal, WQUXGA (3840 x 2400), OLED, touch, BrightView, eDP + PSR, micro-edge, Low Blue Light,400 nits, 100% DCI-P3 40.6 cm (16") diagonal, WQUXGA (3840 x 2400), 120 Hz, IPS, anti-glare, eDP + PSR, micro-edge, 500 nits, 100% DCI-P3, HP DreamColor 40.6 cm (16") diagonal, WUXGA (1920 x 1200), IPS, anti-glare, eDP + PSR, micro-edge, 400 nits, 100% sRGB, HP Sure View integrated privacy screen
Available Graphics	Integrated: Intel® Arc™ Graphics ⁴¹ Discrete: NVIDIA® GeForce RTX™ 4070 Laptop GPU (8 GB GDDR6 dedicated) NVIDIA RTX™ 3000 Ada Generation Laptop GPU (8 GB GDDR6 dedicated) NVIDIA RTX™ 2000 Ada Generation Laptop GPU (8 GB GDDR6 dedicated) NVIDIA RTX™ 2000 Ada Generation Laptop GPU (8 GB GDDR6 dedicated) NVIDIA RTX™ 1000 Ada Generation Laptop GPU (6 GB GDDR6 dedicated)
Audio	Audio by Poly Studio, dual stereo speakers, HP World Facing Microphone dual array digital microphones, functions keys for volume up and down, combo microphone/headphone jack, HD audio
Memory card device ⁵⁹	1 microSD 7.1 media card reader (optional)
Ports and connectors	Left side: 1 power connector; 1 headphone/microphone combo; 2 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, H Sleep and Charge) ¹² ; Right side: 1 Super Speed USB Type-A 5Gbps signaling rate (charging); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4) ^{7,12,56}

HP ZBook Studio 16 inch G11 Mobile Workstation PC

Specifications Table

Keyboard	HP Premium Quiet Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys; HP RGB Keyboard - Full-size, per-key RGB backlit keyboard; HP RGB Z Command Keyboard – spill-resistant, full-size, backlit keyboard with drain and DuraKeys ²⁴
Mouse	Clickpad with image sensor, supporting multi-touch gestures and taps
Communications	WLAN: Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, vPro®; Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card, non-vPro® ⁴⁸ ;
Camera	720p HD IR camera ^{16,17,20}
Software	Bing search for IE11; Hotkey support; HP Noise Cancellation Software; HP Performance Advisor; HP Support Assistant ³⁶ ; Native Miracast support ⁴⁴ ; HP Connection Optimizer ³³ ; myHP; HP Privacy Settings; Data Science Stack ²⁵ ; HP Easy Clean ⁵¹ ; HP PC Hardware Diagnostics; Windows 10 Cloud Recovery Client; HP Z Light Space ²⁸ ; HP Camera & Super Resolution Software; HP Services Scan ²¹ ; Microsoft 365 and Office (sold separately and Internet access required for activation); Battery Health Manager ⁶⁰
Available software	HP Smart Support ¹⁹
Security management	Absolute Persistence Module ³⁵ ; HP Credential Manager; HP Power On Authentication; Master Boot Record security; Pre-boot authentication; Windows Defender; HP Manageability Integration Kit ³⁷ ; HP BIOSphere Genf ³⁴ ; HP Sure Start Gen7 ⁴³ ; HP Sure Admin ⁴⁹ ; HP Image Assistant; Nano Security Lock Slot ³⁸ ; HP Client Security Manager Gen7 ³⁹ ; Trusted Platform Module TPM 2.0; HP Privacy Key
Security Software Licenses	HP Wolf Pro Security Edition ⁵⁶
Fingerprint reader	Fingerprint sensor (select models)
Management features	HP Power Manager ¹³
Power	HP Slim Smart 150 W External AC power adapter ⁴⁸
Battery type	HP Long Life 6-cell, 86 Wh Li-ion polymer ²⁶
Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes ⁵⁰
Dimensions	$14.02 \times 9.54 \times 0.76$ in (non-touch); $14.02 \times 9.54 \times 0.72$ in (touch); $35.6 \times 24.2 \times 1.9$ cm (non-touch); $35.6 \times 24.2 \times 1.8$ cm (touch); $21.73 \times 2.71 \times 13.58$ in; $552 \times 69 \times 345$ mm (Package)
Weight	Starting at 3.81 lb; Starting at 1.73 kg; (Weight varies by configuration and components.)
Ecolabels	EPEAT® Gold registered in the U.S. ⁴⁵
Sustainable impact specifications	Low Halogen ⁴⁶

HP ZBook Studio 16 inch G11 Mobile Workstation PC

Messaging Footnotes

- ¹ Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily ^ 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. Intel's numbering, branding and/or naming is not a measurement of higher performance. Optional feature that must be configured at purchase.

 Intel VPro® requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-fi 65 WLAN and TPM 2.0. Some functionality requires additional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See http://intel.com/vpro.

 Software for the very the first the software the must be software the very the professor.
- Optional feature that must be configured at purchase.
- 64GB Memory is an optional, configurable feature
- ⁵ RGB keyboard is an optional feature that must be configured at purchase. Available in the US, UK, Germany and France only,
- ⁶ All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either
- ⁶ All specifications represent the typical specifications represent the typical specifications represent the typical specification of lower.

 ⁷ All Noise Suppression is delivered automatically through Windows update or can be downloaded from https://support.hp.com/us-en/drivers when available. Requires Windows 10 or higher, compatible with internal PC speakers, microphone and analog headsets. The All Noise Suppression setting can be configured through the Application HP Audio Control.

 ⁸ Wi-Fi 6E is an optional feature that must be configured at purchase. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the Collision of Application HP Audio Control.

 ⁸ Wi-Fi 6E is an optional feature that must be configured at purchase. Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the Collision of Application HP Audio Control.
- available in countries where Wi-Fi 6E is supported.
- 9 Battery life will vary depending on the product model, configuration, loaded applications, features, use, wireless functionality and po management settings. The maximum capacity of the battery will naturally decrease with time and usage. See MobileMark25 battery benchmark https://bapco.com/products/mobilemark-2018/https://bapco.com/products/mobilemark-251 for additional details.

 11 Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.
- 100% outer box packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled
- wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic.

 ¹³ 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 is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply, and additional requirements may apply over time for
- 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.

 14 For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB (for Windows) is reserved for system recovery software.

 15 Optional, configurable feature.

 16 Up to 64GB memory is an optional, configurable feature.

- 17 All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either
- higher or lower.

 18 Z Command Keyboard is an optional, configurable feature for US only. Available only with the RGB keyboard and in the US, UK,
- Germany and France only.

 19 Z Light Space requires Windows 10 or higher.

- Software soid separatery.
 22 HP Power Manager requires Windows 10 and higher and can be downloaded from the Microsoft Store.
 22 Recharges your battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10%

Technical Specifications 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 is automatically updated and 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 .

 Peatures and software that require a NPU may require software purchase, subscription or enablement by a software or platform Features and software that require a NPU may require software purchase, subscription or enablement by a software or provider, and firthir party software may have specific configuration or compatibility requirements. Performance varies by us configuration, and other factors.
 3 Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization model intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost for more information.
- In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products
- configured with Intel and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on
- configured with Intel and AMD /In generation and issue processor.

 Intel VPro® requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-Fi 6E WLAN and TPM 2.0. Some functionality requires additional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See http://intel.com/vpro

 7 SuperSpeed USB 2005bps is not available with Thunderbolt™ 4

 "" Thunderbolt™ 4 by the provisional feature that must be configured at the factory and requires a supervisor password be established provisional feature that must be configured at the factory and requires a supervisor password be established provisional feature that must be configured at the factory and requires a supervisor password be established provisional feature that must be configured at the factory and requires a supervisor password be established provisional feature that must be configured at the factory and requires a supervisor password be established provisional feature that must be configured at the factory and requires a supervisor password be established provisional feature that must be configured at the factory and requires and the factory and requires a supervisor password be established provisional feature that must be configured at the factory and requires a supervisor password be established provisional feature that must be configured at the factory and requires a supervisor password be established provisional feature that must be configured at the factory and requires a supervisor password be established provisional feature that must be configured at the factory and requires and the factory and requires a supervisor password be established provisional feature that must be configured at the factory and requires and the factory a
- 7 SuperSpeed USB 20Gbps is not available with Thunderbolt™ 4

 8 HP Tamper Lock is an optional feature that must be configured at the factory and requires a supervisor password be established prior to
- use.

 9 Multicore is designed to improve performance of certain software products. Not all customers or software applications will necessarily 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 your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.
 ¹⁰ For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB (for Windows) is reserved for system recovery software.
 ¹¹ Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.
 ¹² Multi-Function USB-C port works with Discrete Graphics and Intel(f) link Xe Graphics. Note: For Nvidia Discreate Gfx, it can support HDMI 2.1 except GPU of QN20-P1 SKU(HDMI2.0 support).
 ¹³ Manage and monitor work lattery's performance and condition and customize charging ontions with the easy-to-use HP Prover.

- 3 Manage and monitor your battery's performance and condition and customize charging options with the easy-to-use HP Power Manager dashboard.
- 14 Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band, Availability of public wireless access points limited. patible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported

- 16 Resolutions are dependent upon monitor capability, and resolution and color depth settings.

- ¹⁰ Resolutions are dependent upon monitor capability, and resolution and color depth settings.
 ¹⁷ 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. Actual brightness will be lower with touchscreen or Sure View.
 ¹⁸ Actual brightness will be lower with touchscreen or Sure View.
 ¹⁹ HP Smart Support requires the HP Insights agent to be installed. For Gen 9 and earlier HP commercial devices, customer must manually download at hp. com/active-care or by providing consent at the time of your hardware's first boot, which enables HP to install the HP Insights Agent to collect information related to the Device. For HP commercial Gen 10 and higher devices, HP Services Scan is serviced the Wildrague. Hotelong and will be device positioners on each backers device to determine for a NET orderior for all Toddens. provided thru Windows Update and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased and, will download applicable software automatically. To disable this feature, please follow the instructions at peen purchased and, win download applicable sortware automatically. To disable this feature, please follow the instructions at http://www.hpdaas.com/requirements. The HP insights agent is a telemetry and analytics platform that provides ridal data around devices and applications and is not sold as a standalone service. HP follows stringent GDPR privacy regulations and is ISO27001, ISO27017 and SOC2 Type2 certified for information Security. Internet access with connection to portal is required. For full system requirements, please visit http://www.hpdaas.com/requirements.

 20 Windows Hello face authentication utilizes a camera specially configured for near infrared (IR) imaging to authenticate and unlock Medicare devices accessed and the properties of the pro
- Windows devices as well as unlock your Microsoft Passport.

 21 HP Services Scan is provided with Windows Update on select products and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased, and will download applicable software automatically. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications. For full system requirements or to disable this feature, please visit http://www.hpdaas.com/requirements . Not applicable in China.

- this feature, please visit http://www.hpdaas.com/requirements. Not applicable in China.

 2d GPU configurations may be limited to specific GPUMemory Configurations

 2d HP RGB Z Command Keyboard only available in the US, UK, France, and Germany. Not available with Privacy Panel.

 25 Data Science Stack is available on select skus only.

 25 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.

 ²⁸ HP Z Light space is an optional feature, requires Windows 10 or higher and must be configured at hardware purchase
- 32 Others NVIDIA dGPU: Support HD decode, DX12, HDMI 2.1, mDP 1.4, HDCP 2.3 via DP up to 5K@60Hz(W/o DSC) or 8K@60(With DSC and requires 2 display heads) and via HDMI up to 8K @ 60Hz(With DSC and requires 2 display heads)
- The Control Explicit Supply ineaus) and with norm by to not be concepting the control State (supply ineaus) 33 HP Connection Optimizer requires Windows 10.

 34 HP BIOSphere Gen6 features may vary depending on the platform and configuration.

 35 Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit:
- http://www.absolute.com/company/legal/agreements/computrace-agreement . Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software 36 HP Support Assistant requires Windows and Internet access.

- The Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement.

 The Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement.

 Security lock for security slot is sold separately.

 He Client Security Manager Gen7 requires Windows and is available on the select HP Elite and Pro PCs.

 Intel® Craphics capabilities require system to be configured with Intel® Core™ Ultra 5 or Ultra 7 processors and dual channel memory.

 Single channel memory will only function as Intel® ARC graphics.
- 3 HP Sure Start Gen6 is available on select HP PCs.
- Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming media players that also support Miracast. You can use Miracast to share what you're doing on your PC and present a slide show. For more information: http://windows.microsoft.com/en-us/windows.Pg/project-wireless-screen-miracast.
 45 Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for

- ess 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 nicate with other 802 11RE devices
- communicate with other 802.11BL devices.

 49 HP Sure Admin requires Windows 10 or higher, HP BIOS, HP Manageability Integration Kit from http://www.hp.com/go/clientmanagement and HP Sure Admin Local Access Authenticator smartphone app from the Android or App
- Rectangles up to 30% within 30 minutes when the system is on or in standory mode when used with the power adapter provided the notebook. Power adapter minimum of 65 watts required for battery capacities 56Whr or less. Power adapter minimum of 120 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.
- capacines greater than 83-whr and less than LOUWIT. After charging has reached 94% capacity, charging speed will return to normal. Charging time may vary +1-105% due to System tolerance.

 St. HP Easy Clean requires Windows 10 RS3 and higher and will disable the keyboard, touchscreen, and clickpad only. Ports are not disabled. See user guide for cleaning instructions.

 HP Wolf Pro Security Edition is available preloaded on select SKUs, and, depending on the HP product purchased, includes a license with a term length communicated to you at purchase and in your order confirmation email. The HP Wolf Pro Security Edition software is licensed under the blacense formed the MP Wolf Security Schild Se licensed under the license terms of the HP Wolf Security Software - End-User license Agreement (EULA) that can be found at: https://support.hp.com/us-en/document/ish_3875769-3873014-16 as that EULA is modified by the following: 7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Wolf Pro Security Edition is effective upon 4 months after the date the HP Product was shipped by HP and will continue for the term communicated to you at purchase and in your order confirmation email ("Initial Term"). At the end of the Initial Term you may either (a) purchase a renewal license for the HP Wolf Pro Security Edition from HP.com, HP Sales or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click and HP using Equipment of the State Class and the Continue Familier, (or you indicated using the State Class and the Research of State Class and the State Class and the Research of State Class and the State Class and the Research State Class and the State Class and State Clas

Sign up for updates hp.com/go/getupdated

© Copyright 2024 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel, Iris, and Thunderbolt are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license. NVIDIA and GeForce are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. USB Type-C® and USB-C® are registered trademarks of VIDIA Corporation in the U.S. and other countries. USB Type-C® and USB-C® are registered trademarks of VIDIA Corporation in the U.S. and other countries. USB-Type-C® and USB-C® are registered trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. All other trademarks are the property of their respective owners.