



HP ZBook Firefly 14 G7 Mobile Workstation (111C8EA)

Overview



ZBook performance, more mobile than ever

Our smallest and lightest ZBook ever provides true mobility for people who push the typical business PC past its breaking point. In the office or in the field, with pro-level performance and a beautiful bright display, you have everything you need to review work and manage projects from anywhere.

Manage it on the move

Starting at just 3.1 lbs[1] our most mobile ZBook is made to move. With 3X faster Wi-Fi[2], gigabit-class 4G LTE[3] and better battery life[4], you're equipped for days offsite. And HP SureView privacy screen guards private information from prying eyes. [5]

Pro-level performance. To go

Say goodbye to slowdowns. Power through projects and heavy workloads with the latest Intel® Core™ processors and NVIDIA Quadro® graphics, certified for pro apps. Open large files and run apps simultaneously for speedy multitasking and productivity.

Features

Windows 10 Pro for Workstations 64

Work without compromising on performance or security with Windows 10 Pro for Workstations, powered by HP's collaboration and connectivity technology.^[7]

Intel® Core™ i7 processor

Run several CPU-heavy programs simultaneously without sacrificing performance with an Intel® Core™ i7 processor.^[8]

HP Z Turbo Drive High-speed Storage

Work without limits in any location with local PCIe storage that's up to 6x faster than SATA SSD, and up to 21x faster than traditional HDD storage.^[9]

HP Fast Charge

Ultra-fast recharge takes you from zero to 50% charge in just 30 minutes.^[10]

HP Collaboration Keyboard

Launch and manage calls from anywhere using Skype® with HP Noise Cancellation and the world-facing third microphone. Shortcut keys, including start/stop call, calendar and screen share, enable efficient and effective collaboration.^[11]

Spill-resistant Keyboard

Accidents happen - which is why we designed our keyboard with a drain hole, so minor spills flow out the bottom for easy cleanup.

[1]Weight will vary by configuration.

[2]Based on Wi-Fi 5 80MHz and Wi-Fi 6 160MHz minimum requirements when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 802.11ax (Wi-Fi 6). Only available in countries where 802.11ax is supported. Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ax devices.

[3]Gigabit class Category 16 4G LTE module is optional and must be configured at the factory. Module designed for up to 1 Gbps download speeds as carriers deploy 5 carrier aggregation and 100Mhz channel bandwidth, requires activation and separately purchased service contract. Backwards compatible to HSPA 3G technologies. Check with service provider for coverage and availability in your area. Connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. 4G LTE not available on all products, in all regions

[4]When compared to HP ZBook 15u G6

[5]HP Sure View is an optional feature, requires factory configuration and is designed to operate in landscape orientation.

[7] 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 10 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>.

[8] 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.

[9] For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB (for Windows 10) of system disk is reserved for system recovery software.

[10] Recharges the 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% due to System tolerance.

[11] Skype requires Internet access and is not available in China.

Specifications

Operating system	Windows 10 Pro for Workstations 64 – HP recommends Windows 10 Pro for business
Processor family	10th Generation Intel® Core™ i7 processor
Processor	Intel® Core™ i7-10610U (1.8 GHz base frequency, up to 4.9 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores)
Chipset	Intel® Integrated SoC
Memory	32 GB DDR4-2666 SDRAM (onboard)
Memory Slots	2 SODIMM, supports dual channel (integrated graphics configurations); Memory soldered down, supports dual channel (discrete graphics configurations)
Internal Storage	1 TB PCIe® NVMe™ SSD
Graphics	Integrated
Graphics (integrated)	Intel® UHD Graphics
Display	35.56 cm (14") diagonal 4K IPS anti-glare WLED-backlit, 400 nits, 72% NTSC (3840 x 2160)
Display	14" diagonal 4K IPS anti-glare WLED-backlit, 400 nits, 72% NTSC (3840 x 2160) ^[11,33,34,36,37]
Display size (diagonal)	35.56 cm (14")
Display size (diagonal)	14"
Audio features	Audio by Bang & Olufsen, dual stereo speakers, HP World Facing Microphone dual array digital microphone, functions keys for volume up and down, combo microphone/headphone jack, HD audio
Minimum dimensions (W x D x H)	32.3 x 21.46 x 1.79 cm
Minimum dimensions (W x D x H)	12.73 x 8.45 x 0.71 in
Weight	Starting at 1.41 kg <i>(Weight varies by configuration and components.)</i>
Weight	Starting at 3.1 lb <i>(Weight varies by configuration and components.)</i>
Keyboard	HP Premium Collaboration Keyboard – spill-resistant, full-size, backlit keyboard with DuraKeys
Pointing device	Clickpad with multi-touch gesture support
Camera	720p HD webcam with IR
Ports	1 headphone/microphone combo; 1 USB 3.1 Gen 1; 1 USB 3.1 Gen 1 (charging)
Expansion slots	1 smart card reader
Ports	1 power connector; 1 HDMI 1.4b; 2 USB Type-C™ (Thunderbolt™ 3)
Network interface type	WLAN
Network interface	Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo, vPro™

Power	65 W USB Type-C™ adapter
Battery type	HP Long Life 3-cell, 53 Wh Li-ion
Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes
Energy efficiency	ENERGY STAR® certified
Environmental	Low halogen
Security management	Absolute persistence module; HP Device Access Manager; HP Power On Authentication; Security lock slot; Trusted Platform Module TPM 2.0 Embedded Security Chip; Master Boot Record security; Pre-boot authentication; Microsoft Security Defender; HP Secure Erase; HP Manageability Integration Kit; HP Support Assistant; HP BIOSphere with HP Sure Start; HP Sure Sense; HP Client Security Manager; HP Sure Recover; HP Sure Recover with Embedded Reimaging; HP Sure Platform ^[18,19,20,21,22,23,35]
Software included	Bing search for IE11; Buy Office; CyberLink Power Media Player; HP Hotkey Support; HP Noise Cancellation Software; HP Performance Advisor; HP Recovery Manager; HP Support Assistant; HP JumpStart; HP Mobile Connect Pro; Native Miracast support; HP Connection Optimizer
UPC number	(A2M) 195122407223; (A2N) 195122407230; (AB6) 195122407247; (AB7) 195122407278; (AB8) 195122407254; (AB9) 195122407285; (ABB) 195122407261; (ABD) 195122407292; (ABE) 195122407315; (ABF) 195122407308; (ABH) 195122407339; (ABN) 195122407322; (ABT) 195122407346; (ABU) 195122407353; (ABV) 195122407360; (ABY) 195122407377; (ABZ) 195122407384; (ACB) 195122407391; (ACQ) 195122407414; (AK8) 195122407407; (AKC) 195122407421; (AKD) 195122407445; (AKE) 195122407438; (AKQ) 195122407469; (AKS) 195122407452; (B10) 195122407490; (BCM) 195122407551; (BED) 195122407537; (UUG) 195122407612; (UUZ) 195122407667

Additional specifications

Display	35.56 cm (14") diagonal 4K display
Display	14" diagonal 4K display
Fingerprint reader	Fingerprint reader
Graphic card footnote number	[12,32]
Graphics	Discrete
Graphics (discrete)	NVIDIA® Quadro® P520 (4 GB GDDR5 dedicated)
I/O Port location	Left side
I/O Port location	Right side
Legal tagline	HP recommends Windows 10 Pro for business
MDA key selling point	Windows 10 Pro or other operating systems available
Memory and storage	32 GB memory; 1 TB SSD storage
Network interface	Near Field Communication (NFC) module
Network interface type	WWAN
Processor speed	1.8 GHz
Standard memory note	Transfer rates up to 2666 MT/s.
Storage type	SSD
UNSPSC code	43211503

[11] UHD content required to view UHD images.

[18] HP Support Assistant - Requires Windows and Internet Access.

[19] HP Z Central Remote Boost Software - The remote desktop solution for serious workstation users and their most demanding applications. Download at: <http://www.hp.com/go/RGS>.

[20] Web-only Support

[21] HP Mobile Connect Pro is only available on preconfigured devices with WWAN. For geographic availability refer to <http://www.hp.com/go/mobileconnect>.

[22] 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-8/project-wireless-screen-miracast>.

[23] HP Performance Advisor Software - HP Performance Advisor is ready and waiting to help you get the most out of your HP Workstation from day one—and every day after. Learn more or download at: <https://www8.hp.com/us/en/workstations/performance-advisor.html>

[33] HP Sure View Gen3 is optional and must be configured at purchase.

[34] HP Sure View Gen3 available in 2nd half of 2019.

[35] HP Connection Optimizer requires Windows 10.

[36] Sold separately or as an optional feature.

[37] Resolutions are dependent upon monitor capability, and resolution and color depth settings.

Accessories

Batteries/Chargers/Adapters

★ : Recommended

AC Adapters

HP 45W Smart AC Adapter	H6Y88AA ★
HP 65W Slim AC Adapter	H6Y82AA
HP 65W Smart AC Adapter	H6Y89AA

Connectivity Adapters

HP 4.5mm and USB Dock Adapter	2NA11AA	obsolete
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Power Adapters

HP 45W USB-C G2 Power Adapter	1HE07AA
HP 65W USB-C Power Adapter	1HE08AA

Power Packs

HP USB-C Essential Power Bank	3TB55AA
HP USB-C Notebook Power Bank	2NA10AA

Cases and Covers

Cases

HP Executive 15.6 Top Load	6KD06AA ★
HP 15.6 Business Top Load	2SC66AA ★
HP Recycled Series 15.6-inch Top Load	5KN29AA ★
HP 14.1 Business Sleeve	2UW01AA
HP 14.1 Business Slim Top Load	2SC65AA
HP 15.6 Prelude Top Load with Mouse Bundle	2MW64AA
HP 17.3 Business Roller Case	2SC68AA
HP 17.3 Business Slim Top Load	2UW02AA
HP 20 Hard Case Wheeled Luggage	5MS48AA
HP All in One Carry On Luggage	7ZE80AA
HP Business Ladies Tote (up to 15.6-inch)	3NP79AA
HP Convertible 14.1-inch Tote	5KN27AA
HP Essential Messenger Case	H1D25AA
HP Essential Top Load Case	H2W17AA

HP Executive 14.1 Slim Top Load	6KD04AA
HP Executive 14.1 Tote	6KD10AA
HP Executive 15.6 Leather Top Load	6KD09AA
HP Executive 17.3 Top Load	6KD08AA
HP Prelude Pro Recycled Top Load	1X645AA
HP Prelude Top Load 15.6	2MW62A6
HP Prelude Top Load 15.6	2MW62AA
HP Slim Professional Messenger	F3W14AA
HP Slim Top Load Case 15.6"	F3W15AA
Recycled Series 14-inch Top Load	7ZE83AA

Backpacks

HP 17.3 Business Backpack	2SC67AA
HP Essential Backpack	H1D24AA
HP Executive 15.6 Backpack	6KD07AA
HP Executive 17.3 Backpack	6KD05AA
HP Prelude Backpack 15.6	2MW63AA
HP Prelude Backpack 15.6 Bulk	2MW63A6
HP Prelude Pro Recycled Backpack	1X644AA
HP Recycled Series 15.6-inch Backpack	5KN28AA
HP Slim Backpack	F3W16AA

Covers

HP Slim 14-inch Sleeve	F7Z99AA
HP Slim 15.6-inch Sleeve	F8A00AA

Keyboards/Mice and Input Devices

Keyboard and Mouse Kits

HP Slim Wireless Keyboard and Mouse	T6L04AA ★
HP Slim USB Keyboard and Mouse	T6T83AA
HP USB Essential Keyboard and Mouse	H6L29AA
HP Wired Desktop 320MK Mouse and Keyboard	9SR36AA

Mice

HP Bluetooth Travel Mouse	6SP30AA ★
HP X4000b Bluetooth Mouse	H3T50AA ★

HP 3-button USB Laser Mouse	H4B81AA
HP Comfort Grip Wireless Mouse	H2L63AA
HP Elite Presenter Mouse	2CE30AA
HP Essential USB Mouse	2TX37AA
HP USB Premium Mouse	1JR32AA
HP Ultra Mobile Wireless Mouse	H6F25AA
HP Wired Desktop 320M Mouse	9VA80AA
HP Wireless Premium Mouse	1JR31AA
USB Travel Mouse	G1K28AA

Keyboards

HP USB Collaboration Keyboard	Z9N38AA
HP Wired Desktop 320K Keyboard	9SR37AA
HP Wireless (Link-5) Keyboard	T6U20AA
HP Wireless Collaboration Keyboard	Z9N39AA

Security and Protection

PC Locks

HP Sure Key Cable Lock	6UW42AA ★
HP Keyed Cable Lock 10 mm	T1A62AA ★
HP Combination Lock	TOY15AA
HP Docking Station Cable Lock	AU656AA
HP Dual Head Keyed Cable Lock 10 mm	T1A64AA
HP Dual Head Master Cable Lock 10 mm	T1A65AA
HP Essential Combination Lock	TOY16AA
HP Master Keyed Cable Lock 10mm	T1A63AA
HP Master Keyed Docking Station Cable Lock	AY474AA

Privacy Filter

HP 14-in Privacy Filter	J6E65AA
HP 14-inch Privacy Filter for Touch	3KP52AA

Docking and Port Replicators

Docking Stations

HP Thunderbolt Dock 120W G2	2UK37AA ★
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HP USB-C Dock G5	5TW10AA ★
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HP Thunderbolt Dock 120W G2 with Audio	3YE87AA
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HP Thunderbolt Dock 230W G2	2UK38AA
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HP Thunderbolt Dock G2 with Combo Cable	3TR87AA
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HP USB-C Mini Dock	1PM64AA
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HP USB-C Travel Hub G2	7PJ38AA
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HP USB-C/A Universal Dock G2	5TW13AA
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Docking Accessories

HP Thunderbolt Dock Audio Module	3AQ21AA
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Memory

DDR4 Memory

HP 16 GB 2666 MHz DDR4 Memory	4VN07AA
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HP 4 GB 2666 MHz DDR4 Memory	4VN05AA
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HP 8 GB 2666 MHz DDR4 Memory	4VN06AA
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PC Drives and Storage

PC Solid State Drives

HP 1TB TLC PCIe 3x4 NVMe M.2 Solid State Drive	6SK99AA
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HP 2TB TLC PCIe 3x4 NVMe M.2 Solid State Drive	6SL00AA
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PC DVD Drives

HP External USB DVDRW Drive	F2B56AA
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Cabinets and Stands

Carts

HP 20 Mgd Charging Cart V2	T9E83AA
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HP 30 Mgd Charging Cart V2	T9E85AA
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HP 32U Essential Charging Cart	1HC89AA
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Notebook Stands

HP Hot Desk 2nd Monitor Arm	W3Z74AA
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HP Hot Desk Stand	W3Z73AA
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Monitor Stands

Monitor Stand	M9X76AA
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Cables/Cable Kits/Cable Adapters

Audio and Video Cables

HP HDMI to DVI Adapter	F5A28AA
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Cable Adapters

HP Thunderbolt 120W G2 Cable	3XB94AA
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HP Thunderbolt 230W G2 Cable	3XB95AA
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HP Thunderbolt Dock G2 Combo Cable	3XB96AA
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HP USB-C to DP Adapter	N9K78AA
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HP USB-C to HDMI 2.0	1WC36AA
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HP USB-C to RJ45 Adapter	V7W66AA
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HP USB-C to USB 3.0 Adapter	N2Z63AA
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HP USB-C to USB-A Hub	Z6A00AA
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HP USB-C to VGA Adapter	N9K76AA
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Graphics Cards

Graphics Connectors/Adapters

HP HDMI to VGA Adapter	H4F02AA
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Audio/Multimedia and Communication Devices

Headsets

HP Stereo 3.5mm Headset	T1A66AA
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HP Stereo USB Headset	T1A67AA
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HP UC Wireless Duo Headset	W3K09AA
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HP UC Wireless Mono Headset	W3K08AA
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Phones

HP UC Speaker Phone	4VW02AA
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Expansion Solution and Controller Cards

Port Adapters

HP USB-C to 4.5 mm Adapter

4ST73AA

Network Adapters

Wireless LAN

HP XMM™ 7360 LTE-Advance WWAN

3FB01AA

Monitors

Business Monitors

★ : Recommended

P-Series

HP P19v G4 Monitor	9TY84AA
HP P21v G4 Monitor	9TY72AA
HP P22v G4 Monitor	9TT53AA
HP P24v G4 Monitor	9TT78AA
HP P27v G4 Monitor	9TT20AA

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