HP ZBook Fury G1i 18 inch Mobile Workstation PC

So powerful you'll forget it's a laptop.

Tackle intense workflows with the HP ZBook Fury—offering a desktop class CPU in a laptop. The 18" size delivers even more power for pro-graphics, and massive memory and storage. Simultaneously edit 8K videos, render in 3D or fine-tune machine learning models. This is AI workstation performance on the go.

Tackle multiple heavy workflows—simultaneously

Get unthrottled performance[1] with a desktop class Intel® CPU,[2] with up to 13 NPU TOPS,[2] and a next-gen NVIDIA® laptop GPU.[3] With thermal technology designed to keep the PC cool you can simultaneously analyze data and run model inferencing.

Upgrade. Expand. Evolve.

Get desktop-level storage and memory with slots for up to 192GB of RAM,[4] and capacity for 16TB of storage.[5] Expansion is simple with tool-free access to removable components, and an extensive port selection to connect to critical accessories.

Supercharged AI mobile workstation

Accelerate AI development and inferencing locally on the HP ZBook Fury, with a next-gen NVIDIA® laptop GPU[3] delivering AI TOPS for advanced AI workflows. Process propriety data securely on a local workstation to gain insights faster.

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 registered[5] and the outer box packaging is 100% sustainably sourced.[6]

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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.[8,9]

Intel® Core™ Ultra Processor

Unleash power-efficient performance with up to an Intel® Core™ Ultra 9 HX CPU. This CPU not only unlocks performance for the next era of AI-enhanced software, but the dedicated NPU greatly increases efficiency for productivity tasks.[2]

NVIDIA® Graphics

Experience high-end visualization and seamlessly render, design and multi-task on your biggest projects with a next-gen NVIDIA® laptop GPU.[3]

Large Memory Configurations

Power through projects with up to 192 GB RAM for fast editing and design.[10]

Lightning-fast Storage

Blitz through multiple tasks and ditch external drives with up to 16 TB local NVMe storage.[11]

HP Vaporforce Thermals

HP Vaporforce Thermals helps protect your workstation from overheating, so you can cut through your heaviest workloads with peak processing power.

HP Smart Sense

HP Smart Sense intelligently optimizes your PC's thermal and power management based on your usage. Select full performance mode when completing demanding tasks to maximize performance.[12]

Thunderbolt 5

Now offering Thunderbolt 5 with a singling data rate up to 120Gb/s. Connect multiple external displays with just a single cable and expand your workspace[13]

Poly Camera Pro

Look your best on video calls and save some power too. Manage your video controls for internal and external cameras with Poly Camera Pro. Now Auto Frame, Spotlight, Background Blur, and virtual backgrounds save power running on the NPU.[14]

HP Power Manager

Manage and monitor your battery's performance and condition and customize charging options with the easy-to-use Battery Manager in the myHP app.[15,16]

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Specifications Table

Available Operating Systems	Windows 11 Pro[1] Windows 11 Home – HP recommends Windows 11 Pro for business[1] Windows 11 Home Single Language – HP recommends Windows 11 Pro for business; Ubuntu 24.04 LTS[1] FreeDOS 3.0 Ubuntu 24.04 LTS[2]
Processor family[3,4,42]	Intel® Core™ Ultra 9 processor; Intel® Core™ Ultra 7 processor
Available Processors[3,4,42,49]	Intel® Core™ Ultra 7 255HX (up to 4.5 GHz E-core Max Turbo Frequency, up to 5.2 GHz P-core Max Turbo Frequency, 36 MB L2 cache, 8 P-cores and 12 E-cores, 20 threads), with Intel® Graphics and Intel® AI Boost (13 NPU TOPS) Intel® Core™ Ultra 7 265HX (up to 4.6 GHz E-core Max Turbo Frequency, up to 5.3 GHz P-core Max Turbo Frequency, 36 MB L2 cache, 8 P-cores and 12 E-cores, 20 threads), with Intel® Graphics and Intel® AI Boost (13 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 9 285HX (up to 4.6 GHz E-core Max Turbo Frequency, up to 5.5 GHz P-core Max Turbo Frequency, 40 MB L2 cache, 8 P-cores and 16 E-cores, 24 threads), with Intel® Graphics and Intel® AI Boost (13 NPU TOPS), supports Intel® vPro® Technology
Neural Processing Unit	Intel® AI Boost
Chipset	Intel® WM890
Product colour	Nouvelle Silver
Maximum memory	128 GB DDR5-5600 MT/s ECC; 192 GB DDR5-5600 MT/s non-ECC [7,26] Transfer rates up to 5600 MT/s.
Memory slots	4 SODIMM; supports dual channel[36]
Internal storage	512 GB up to 4 TB PCIe® Gen4 x4 NVMe™ M.2 2280 TLC SSD[6] 1 TB up to 2 TB PCIe® Gen4 x4 NVMe™ M.2 2280 TLC SED OPAL 2 SSD[6] 1 TB up to 2 TB PCIe® Gen5 x4 NVMe™ M.2 2280 SSD[6] 512 GB up to 2 TB Citadel PCIe-3x4 NVMe™ M.2 2280 TLC SED OPAL2 FIPS SSD[6]
Display size (diagonal)	18"
Display size (diagonal, metric)	45.7 cm (18")
Available Displays (Metric)	45.7 cm (18") diagonal, WQXGA (2560 x 1600), anti-glare, UWVA, LED, 500 nits, eDP 1.4 + PSR2, 165Hz, flat LCD Panel, 100% DCI-P3
Available Graphics	Integrated: Intel® Graphics[5] Discrete: NVIDIA RTX™ Pro 1000 Blackwell Generation Laptop GPU (8 GB GDDR7 dedicated) NVIDIA RTX™ Pro 2000 Blackwell Generation Laptop GPU (8 GB GDDR7 dedicated) NVIDIA RTX™ Pro 5000 Blackwell Generation Laptop GPU (24 GB GDDR7 dedicated) NVIDIA RTX™ Pro 3000 Blackwell Generation Laptop GPU (12 GB GDDR7 dedicated) NVIDIA RTX™ Pro 4000 Blackwell Generation Laptop GPU (16 GB GDDR7 dedicated)[11] (Discrete graphics options planned to be available at a later date and require factory configuration at the time of hardware purchase.)
Audio	Audio by Poly Studio, 4 integrated stereo speakers (1W/8 ohm per speaker), discrete amplifiers, 2 integrated dual array digital microphones
Memory card device	1 smart card reader (select models)
Ports and connectors	Left side: 1 HDMI 2.1; 1 SD card reader; 2 Thunderbolt™ 5 with USB Type-C® 80 Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1)[32] ; Right side: 1 USB Type-A 10Gbps signaling rate; 1 headphone/microphone combo; 1 RJ-45; 1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 2.1)[45]

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Specifications Table

Keyboard	HP Lumen RGB Z Keyboard, quietKey, spill-resistant, extra large 3 button track pad, backlight keyboard and DuraKey
Mouse	Clickpad with multi-touch gesture support, taps enabled as default
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®[8]; WWAN: Qualcomm® 9205 LTE Cat-M1; HP Kavalan R15 5G Solution[9];
Camera	IR Camera (optional); 5 MP camera[12,13]
Software	HP MAC Address Manager; Copilot in Windows with Copilot key[17,61]; HSA Telemetry for Commercial; HP Support Assistant[15]; HP Smart Support[51]; HP Connection Optimizer[22]; myHP[31]; HP UEFI BIOS Certification level 2.7B; Poly Camera Pro; HP PC Hardware Diagnostics Windows; HP Privacy Settings; Poly Lens[52]; Edge Customization; HP Services Scan[43]; HP Notifications; Buy Microsoft Office (sold separately)[16]; HP Hotkey support; HSA Fusion for Commercial
Security management	HP Tamper Lock (select models)[38] ; HP Sure Click[25]; HP Secure Erase[35]; Windows Hello Enhanced SIgn-in Security (ESS) Enable[13]; HP Sure Sense; HP BIOSphere[21]; HP Sure Start[40]; Absolute Persistence Module[39]; HP Wake on WLAN; BIOS Update via Network; HP Sure Run[27]; Audio Permanent Disable; HP Sure Recover[37]; Secured-core PC capable; HP Sure Admin[41]; HP DriveLock and Automatic DriveLock; HP BIOS Recovery
Security Software Licenses	HP Wolf Pro Security Edition[56]
Fingerprint reader	Fingerprint reader (select models)
Management features	HP Client Catalog[18]; HP Power Manager with Battery Health Manager (download)[48]; HP Client Management Script Library (download)[19]; HP Image Assistant (download)[46]; HP Manageability Integration Kit[34]; HP Cloud Recovery[47]; HP Connect for Microsoft Endpoint Manager; HP Driver Packs (download)[50]
Power	HP 200W Slim 4.5 mm PFC Right Angle Smart (3-pin) AC Power Adapter; HP 280W Standard 4.5 mm Right Angle Smart (3-pin) AC Power Adapter; HP 330W Standard 4.5 mm PFC Straight Smart (3-pin) AC Power Adapter[53]
Battery type	HP 99 Wh Long Life Polymer Fast Charge 8 cell Battery[44]
Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes[20]
Dimensions	40.3 x 28.9 x 2.7 cm; (Dimensions vary by configuration)
Weight	Starting at 3.52 kg; (Weight varies by configuration and components.)
Ecolabels	EPEAT® registered configurations available[54]
Sustainable impact specifications	Low halogen; 40% post-consumer recycled plastic; Bulk packaging available; External power supply 90% efficiency; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable[55,57,58,59,60]

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Messaging Footnotes

[1] Unthrottled in Best Performance Mode and when plugged in.

[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. Intel'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.

[3] Optional feature that must be configured at purchase.

[4] Optional feature that must be configured at purchase.

[5] 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.

[6] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.

[7] HP paper and fiber based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or certified, with a minimum of 97% by volume verified by HP. Packaging is the box that comes with the product and all paper-based materials inside the box. Packaging for personal systems accessories and spare parts is not included.

[8] 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 .

[9] 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 .

[10] Memory is an optional feature that must be configured at purchase.

[11] 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.

[12] HP Smart Sense requires Windows 10 or higher.

[13] Actual throughput may vary.

[14] Requires Windows OS.

[15] HP Power Manager requires Windows 10 and higher and can be downloaded from the Microsoft Store.

[16] Requires myHP application and Windows OS.

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 .

[2] Not all features are available in all editions or versions of Ubuntu. Systems may require upgraded and/or separately purchasedhardware, 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.

[3] Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

[4] 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.

[5] Intel® Arc™ graphics only available on select Intel® Core™ Ultra H-series processor-powered systems with at least 16GB of system memory in dual channel configuration.

[6] 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.

[7] The term "10/100/1000" or "Gigabit" Ethernet indicates compatibility with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

[8] 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.

[9] 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.

[10] Actual brightness will be lower with HP Sure View or touch-screen.

[11] Both UMA & Discrete configurations support 3 independent displays when on the HP UltraSlim Dock (sold separately) - Max. resolution = 2.5K @60Hz (DP1) & 2.5K @60Hz (DP2) & FHD (VGA), and support 3 independent displays when on the HP Thunderbolt Dock G2 (sold separately) - Max. resolution = 2.5K @60Hz (DP1) & 2.5K @60Hz (DP2) & FHD (VGA) OR 4K @60Hz (one DP Port) & 4K @60Hz (Type-C output port using a Type C-to-DP adapter).

[12] HD content required to view HD images.

[13] 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.

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

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

[16] Microsoft Office sold separately and requires Internet access for activation.

[17] 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 .

[18] HP Client Catalog not preinstalled, however available for download at https://www.hp.com/us-en/solutions/client-management-solutions.html .

[19] HP Client Management Script Library https://www.hp.com/us-en/solutions/client-management-solutions.html#tab=manageability-tools .

[20] 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.

[21] HP BIOSphere features may vary depending on the platform and configuration.

[22] HP Connection Optimizer requires Windows 10.

[23] Support HD decode, DX12, HDMI 1.4, HDCP 2.2 via DP up to 4K @ 60Hz and via HDMI up to 4K @ 30Hz

[24] Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by other programs.

[25] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.

[26] For systems configured with more than 3 GB of memory and a 32-bit operating system, all memory may not be available due to system resource requirements. Addressing memory above 4 GB requires a 64-bit operating system. Memory modules support data transfer rates up to 4800 MT/s; actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.

[27] HP Sure Run is available on select HP PCs and requires Windows 10 and higher.

[28] Secured-core PC requires an Intel® vPro® or AMD Ryzen™ Pro processor. Requires 8 GB or more system memory. Secured-core PC functionality can be enabled from the factory.

[29] 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.

[30] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.

[31] myHP requires Windows OS.

[32] HDMI cable sold separately.

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

[34] HP Manageability Integration Kit can be downloaded from http://www.hp.com/go/clientmanagement .

[35] 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™.

[36] 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.

[37] 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.

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

[39] Absolute Persistence firmware module is shipped turned off and can only be activated with the purchase a license subscription and full activation of the software agent. License subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. Certain conditions apply. For full details visit: https://www.absolute.com/about/legal/agreements/absolute/ .

[40] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.

[41] 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. HP Sure Admin requires Windows 10 or newer, and HP BIOS.

[42] 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.

[43] 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.

[44] 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.

[45] Thunderbolt™ 4 and USB4™ maximum speed of 40Gbps will be divided between the different data workstreams.

[46] HP Image Assistant not preinstalled, however available for download at https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html .

[47] 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, wired 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 .

[48] 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 .

[49] 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 .

[50] HP Driver Packs not preinstalled, however available for download at http://www.hp.com/go/clientmanagement .

[51] 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 http://www.hpdaas.com/requirements .

[52] Poly Lens requires a Windows OS.

[53] Availability may vary by country.

[54] Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.

[55] External power supplies, WWAN modules, power cords, cables and peripherals excluded. Service parts obtained after purchase may not be Low Halogen.

[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] Percentage of ocean-bound plastic contained in each component varies by product. Ocean Bound plastic is expressed as a percentage of the total weight plastic. Ocean Bound plastic is based on the definition set by the UL2809 standard.

[58] HP paper and fiber based packaging for PCs, displays, home and office print, and supplies is reported by suppliers as recycled or certified, with a minimum of 97% by volume verified by HP.

[59] Packaging is the box that comes with the product and all paper-based materials inside the box. Packaging for commercial, personal systems accessories, and spare parts is not included.

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