

HP ThinPro OS

HP ThinPro OS delivers a secure and seamless cloud computing experience for both IT and end users by delivering intuitive features, multiple layers of security, flexible software solutions, and hardware and software stability.



Device Security for Consistent Productivity

Protect your devices against security threats with HP ThinPro OS, featuring robust protection through comprehensive signing solution, a locked and encrypted read-only filesystem with data purge functionality and hardware-based BIOS security.^{3,9}

Steadfast Stability

Ensure operational stability and business continuity for mission-critical workloads with HP ThinPro OS. Benefit from predictable updates throughout its three- to four-year lifecycle, guaranteeing continuous access to the latest features for your cloud computing environment.

Configurable, Flexible Deployment

Select from multiple optimized cloud computing solutions for VDI, SaaS, DaaS, and communications platforms tailored to your workload needs. HP ThinPro enhances user experience with support for diverse software solutions and integrated multimedia codecs.

Benefits of HP ThinPro OS

Support your cloud computing needs with predictable updates to your HP ThinPro OS.^{1,2}

Support a variety of peripherals and different network connection types.

Help bring your teams together to collaborate through text, voice, and video with support and optimization for most unified communications tools.

HP ThinPro OS

Features	HP ThinPro 8.1	HP ThinPro 9	Descriptions
HP Wolf Cloud Endpoint Manager	✓	✓	HPCEM is a new, cloud-ready device management solution, HPCEM features real-time device monitoring, policy-based management, and proactive notifications that help you achieve ultimate productivity.
HP Device Manager (HPDM) 5.x Support	✓	✓	HP Device Manager (HPDM) offers robust features and an intuitive user interface to simplify managing thin clients and providing a powerful console built for scale.
Citrix Workspace & Apps ⁵	✓	✓	Citrix builds the highly secure, unified digital workspace technology that helps organizations unlock human potential and deliver a consistent workspace experience wherever work HP ThinPro OS needs to get done.
Omnissa Horizon ⁵	✓	✓	Omnissa Horizon elevates the digital workspace experience with the efficient and secure delivery of virtual desktops and apps from on-premises to the cloud.

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HP Anyware Add-on ⁵	✓	✓	The PCoIP® protocol streams highly interactive desktop displays between virtual host and end-user device without any data ever leaving the safety of the customers' network.
Amazon WorkSpaces (AWS) Add-on ⁵	✓	✓	Amazon WorkSpaces is a fully managed desktop virtualization service for Windows and Linux that enables you to access resources from any supported device.
Windows 365 & Azure Virtual Desktop (AVD) Add-on ⁵	✓	✓	Enjoy the best of both worlds with a familiar Windows interface on HP secure and simple HP ThinPro OS.
Unified Communications Support ⁵	✓	✓	For customers who value virtual collaboration and communication, HP ThinPro OS supports Microsoft Teams, Zoom, and Cisco WebEx optimization for Citrix and Omnisca to provide a seamless experience to end-users without overloading the internet bandwidth.

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PC Converter Solution [®]	✓	✓	The HP ThinPro PC Converter solution transforms existing devices into highly secure, Linux [®] -based HP Thin Clients to make the most of existing PCs with enhanced security and robust managing system.
Virtual Network Computing (Remote Utility)	✓	✓	For customers who value manageability, this feature provides shadow capability that allows customers to remotely control desktops by using HPCEM/HPDM and VNC clients.
ThinUpdate/ EasyUpdate	✓	✓	These software depots allow customers to easily reimaging or update the OS and its software by providing OS images, service packs, add-ons installation, and updates.
Kiosk Mode Support	✓	✓	HP ThinPro OS allows IT to fully customize and control the functionalities of a local thin client to deliver a seamless kiosk experience to the end-user.

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Single Sign-On	✓	✓	This feature is an authentication scheme that provides customers with ease of use and a layer of security by logging in without entering ID and password multiple times.
Popular codec support : MPEG-4, MP3, WMA, WMV, AAC, H.264, H.265	✓	✓	For customers who value compatibility, popular codec support allows them to access widely used video formats with clients like Citrix and Omnissa.
Simple Certificate Enrollment Protocol (SCEP) Manager	✓	✓	For customers who value manageability, this feature provides the ability to update certificates that allow customers to auto-enroll or renew certificates from a certificate authority with ease by using the SCEP Manager.
SecureBoot	✓	✓	For customers who value security, this feature provides a secure boot experience that allows customers to benefit from additional layers of security by signed bootloaders, kernels, and modules.

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Display Scaling	✓	✓	For customers who need support for scalable resolution, this feature allows customers to adapt to different display sizes by the Look-and-Feel option.
Common Configuration	✓	✓	For customers who value convenience, this feature provides a common configuration experience that allows customers to apply a policy with ease by HP Device Manager and the ability to configure the same settings using the same interface regardless of OS.
Device Profile	✓	✓	For customers who value convenience, this feature provides a custom configuration that allows customers to easily set a profile by using the profile editor.
HP ThinPro OS Signing Solution: Kernel and module	✓	✓	HP ThinPro OS signing solution ensures every package obtained from HP is authentic.

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HP ThinPro OS Signing Solution: Kernel and module	✓	✓	HP ThinPro OS signing solution ensures every package obtained from HP is authentic.
HP ThinPro OS Signing Solution: Service Pack and Add-ons	✓	✓	HP ThinPro OS signing solution ensures every package obtained from HP is authentic.
Encrypted File System	✓	✓	Encrypted file system ensures the security of the OS and its file system by helping prevent malicious attacks from reading/ modifying files from the disk in the event of lost, stolen, or improperly disposed. System with TPM2.0 required.
Select HP dock support and firmware updates ⁸	✓	✓	Support provided by HP Support for a wide selection of HP docks. HP docks' firmware can be updated through HP ThinPro OS.

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Select HP displays and conferencing displays compatible ⁸	✓	✓	Compatible with a wide selection of HP monitors and HP docking monitors. Monitor firmware updates require Windows.
HP Linux [®] Imaging and Printing (HPLIP) 7,8	✓	✓	For customers who value versatility, enabling HPLIP on HP ThinPro OS allows incremental support on several HP printers for Thin Client customers.
Image snapshot	✓	✓	Simplify thin client management with configured thin client image snapshots for worry-free updates, rapid recovery, and versatility of multiple snapshots.
HP Poly headsets & camera support	✓	✓	Deliver impressive virtual meeting experiences with HP Thin Clients and HP ThinPro OS, featuring support for peripherals, including Poly headsets and cameras. ^{8, 16, 17}

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Imprivata Single Sign On & Multi-factor authentication for VDI session	✓	Coming soon.	Increase security with multiple factors of authentication and streamline the VDI log-in process with the tap of a badge or fingerprint scan using Imprivata One Sign
Ephemeral mode with guarantee & notification of data purge	✓	✓	For customers who value absolute security, enabling ephemeral mode allows customers to wipe out data after each thin client log-in session with ephemeral mode and confirm with data purge reporting. ¹⁰
WWAN, Wi-Fi 6E/ Wi-Fi 7 ^{12, 13} Bluetooth® 5.23 compatibility	✓	✓	Simplify thin client management with configured thin client image snapshots for worry-free updates, rapid recovery, and versatility of multiple snapshots.
HP Poly headsets & camera support	✓	✓	For customers who value connectivity and mobility, they can connect almost anywhere through WWAN ¹¹ , 5G wireless broadband, and Wi-Fi 6E/Wi-Fi 7 ^{12, 13} with Bluetooth® 5.3 on compatible HP Mobile Thin Clients. ¹⁴

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USB Device Filtering		✓	Enhance security with data protection and prevent unauthorized access by only allowing approved USB devices to connect to a system.
Identity and Authentication with SSSD		✓	For customers who value secure and seamless identity management, ThinPro has integrated SSSD to manage a more secure, simplified and scalable device/user authentication through Active Directory domain. Offline Authentication is also supported.
Cloud-based identity management		✓ Coming soon.	For customers who value flexibility and seamless cloud-based identity and access management, ThinPro is integrated with cloud-based identity providers, enabling secure cloud authentication and identity management.
Modern UI/UX		✓	For customers who value a modern look and feel along with more intuitive and polished user interface and user experience, ThinPro has a new interface to meet modern user's needs.

Datasheet

HP ThinPro OS

Specifications	
Active OS Versions	HP ThinPro 8.1; HP ThinPro 9
Device Management Compatibility	HP Wolf Cloud Endpoint Manager, HP Device Manager
Out-of-the-box supported browsers	Google Chrome (ThinPro 9 only) ; Mozilla Firefox
Minimum hardware requirements: Processor Memory (RAM) Storage	Any 64bit x86 CPU 4GB minimum system memory 16GB minimum physical storage ⁴
Supported HW Platforms HP ThinPro 9 OS	t430, t540, t550, ProDesk 5 G1i TC , t640, t655, t660, t740, t755, mt22, mt440 G3, mt46, mt645 G7, mt645 G8
Supported HW Platforms HP ThinPro 8.1 OS	t430, t530 ¹⁵ , t540, t550, t630 ¹⁵ , t640, t655, t730 ¹⁵ , t740, t755, mt21 ¹⁵ , mt22, mt440 G3, mt32, mt45 ¹⁵ , mt46, mt645 G7, mt645 G8
3rd party software	HP Anyware; Citrix Workspace Apps; Omnissa Horizon View; Azure Virtual Desktop; Amazon WorkSpaces, Imprivata, FreeRDP, TurboSoft TTerm ⁵
Supported Languages	English, German, Spanish, French, Japanese, Korean, Russian, Chinese (Simplified), Chinese (Traditional)
Software License	1:1: ∞ (1 License on 1 Device Forever)
Life Cycle ²¹	HP ThinPro 8.1 (10/2023 - 04/2027) HP ThinPro 9 (10/2025 - 04/2029)

For more information, visit <https://www.hp.com/us-en/solutions/cloud-computing/thin-client-operating-systems.html>

For ThinPro OS product lifecycle and Thin Client support matrix, visit: https://support.hp.com/us-en/document/ish_12785214-12785258-16

Disclaimers

1. Please see datasheet for minimum system requirements.
2. HP will provide support and available updates through version EOL. ThinPro 9 EOL (4/2029), ThinPro 8.1 EOL (4/2027).
3. Hardware-based BIOS protection provided by Secure Boot and HP Sure Start Gen7 on selected models.
4. Minimum memory requirement may increase based on application usage. For optimal performance with ThinPro 9 OS applications, it is recommended to have more than 4GB system memory.
5. Third party licenses are required and sold separately.
6. HP licenses are required and sold separately.
7. HP Linux Imaging and Printing compatibility: https://developers.hp.com/hp-linux-imaging-and-printing/supported_devices/index. HP ThinPro OS only supports printers using HPLIP version number 3.21.8 and below. More support will be added over time.
8. Displays, peripherals and printers sold separately.
9. Data purge is only available on ThinPro 8.1 and above versions.
10. Device management software required and not included.
11. WWAN is an optional feature, requires factory configuration and separately purchased service contract. Check with service provider for coverage and availability in your area. 4G LTE not available on all products, in all regions. Connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. 5G is backwards compatible to 4G LTE and 3GHSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported. Available only on HP mt645 Mobile Thin Client.
12. Wi-Fi 6E requires a Wi-Fi 6E router and WIFI 7 requires a Wi-Fi 7 router, sold separately, to function in the 6GHz band. Availability of public wireless access points is limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E/WIFI7 is supported.
13. HP Thin Clients that do not support Wi-Fi 6E-are compatible with Wi-Fi 6E and other routers, sold separately, and operate in 2.4GHz and 5GHz, in compliance with Wi-Fi 6 and prior 802.11 specs. The actual throughput depends on network condition and router configuration. Internet service required and public wireless access points are limited.
14. Requires hardware with WWAN, Wi-Fi 6E, WIFI 7 and Bluetooth 5.3 support.
15. t530, t630, t730, mt21, and mt45 are supported on ThinPro 8.1 from launch until 12/2025. Date may be subject to change
16. Firmware updates are possible only by using a connected device using Microsoft Windows OS.
17. Basic audio and microphone functionalities. Attached headset controller function is not available.
18. Third-party ISV and internet access required and not included.
19. See <https://www.hp.com/us-en/solutions/cloud-computing/thin-client-operating-systems.html#thin-pro> for complete details.
20. Fingerprint reader and badge reader not included on thin client desktops and sold separately. Fingerprint reader on mobile thin clients must be configured at the time of purchase.
21. Dates are subject to change

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Datasheet

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