HP ProDesk 5 G1i Thin Client

Fast, Secure, and Remote-Ready—Built for Hybrid Work.

HP ProDesk 5 G1 Thin Client ensures real-time, multi-layered security in large-scale deployments for frontline workers, delivering reliable performance, up to 24GB of DDR5 memory[1], and simplified endpoint management in mission-critical environments.

Every Layer Locked. Every Task Protected.

Fortified with multi-layered, BIOS-level security and Tamper Lock protection ideal for sensitive data protection.

Thin performance that punches above its size.

Fuel your fleet with Intel CPUs[1], DDR5 memory[2], and NVMe SSDs[3] on the ProDesk 5 G1 Thin Client, delivering outstanding performance.

Simple and scalable endpoint management from anywhere.

Save time and resources when you deploy, monitor, and manage your entire fleet remotely with HP Wolf Cloud Endpoint Manager[4]—simple, secure, and scalable.



*Product image may differ from actual product

Sustainability in action

Designed with purpose

Engineered for energy efficiency using at least 50% post-consumer recycled plastics[8] in a fanless design for conserving power consumption, this device runs quietly without compromising performance.

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Featuring

Every Layer Locked. Every Task Protected.
HP ProDesk 5 G1 Thin Client delivers robust multi-layered security with a locked-down OS[2], HP BIOS, Wolf Security[3], and Tamper Lock intrusion detection[4]— tailored for reliable data protection ideal for healthcare, finance and retail.

Thin performance that punches above its size
Fuel your fleet with Intel N97 CPUs[5], DDR5 memory[1], and NVMe SSDs[6] on the ProDesk 5 G1 Thin Client, delivering non-stop resilient performance you can trust for multitasking, collaboration and mission critical workflows in demanding environments.

Simple and scalable endpoint management from anywhere
Save IT time and resources by optimizing security and uptime with centralized controls on ThinPro OS or Windows 11 IoT LTSC[2]. HP Wolf Cloud Endpoint Manager[7] simplifies remote deployment, monitoring, and management of software and devices.

Designed with purpose
Engineered for energy efficiency using at least 50% post-consumer recycled plastics[8] in a fanless design for conserving power consumption, this device runs quietly without compromising performance.

Simplified and secured virtual desktop experience
HP ThinPro OS is purpose-built for simple and scalable user experiences including a locked file system, encrypted registry, firewall support and remote manageability via HP Wolf Cloud Endpoint Manager to maintain uptime and protect sensitive data.[7,9]

Multitask efficiently with the power from Intel®
Get swift, reliable performance to handle everyday tasks while maintaining energy efficiency with the Intel® N97 processor, built for multitasking across applications using optimized multi-core processors.[5]

No fan, total flow, essential silence.
Engineered for reliability, the fanless design stays cool under pressure— delivering ultra-low thermal output for silent operation, extended lifespan, and peace of mind in environments where uptime is mission-critical.

High-speed memory for vital workloads.
Swiftly access up to 512GB of storage and transfer data with up to 24GB of DDR5 memory, offering higher bandwidth, faster speeds and improved energy efficiency for seamless multitasking and future-ready performance in secure environments.[1,6]

Resilient wireless connectivity for demanding data streams.
Enjoy enhanced speed and stability even in dense wireless environments. Wi-Fi 6E enables low latency, high-throughput, gigabit-class performance for frontline workflows, cloud apps, video conferencing and virtual desktops—wherever work happens.[10]

Multiple displays for an expansive visual workspace
Expand workflow capacity and enhance productivity by working across multiple screens. HP ProDesk 5 G1 Thin Client supports up to three 4K displays.[1,11]

Built to endure even the harshest environments
Engineered for endurance in mission-critical environments where resilience isn't optional. With no moving parts, MIL-STD 810 testing, and reinforced steel and plastic components for added structural integrity, it's built for lasting reliability.[12]

Built to last. Designed to matter.
Built for energy efficiency without compromising performance with 50% post-consumer recycled plastics, Energy Star®, EPEAT, and TCO certifications, and a fanless design.[8,13]

Edge-to-edge endpoint control from anywhere
HP Wolf Cloud Endpoint Manager empowers IT to orchestrate their Cloud Client fleet from anywhere, providing complete management for thousands of devices. It's secure, user-friendly, and designed for hybrid work environments.[7]

Protected by HP Wolf Security.
HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense. From the BIOS to the browser, above, in, and below the OS, our constantly evolving solutions help protect your PC from modern threats.[3]

Tamper Lock Intrusion Detection at the BIOS Level
Built-in Tamper Lock intrusion detection defends against physical breaches, automatically alerting IT, shutting down the system and rendering local data inaccessible if attackers attempt to open device casing and compromise internal components.[4]

Self-healing BIOS
Firmware attacks can completely devastate your device. Stay protected with HP Sure Start with Runtime Intrusion Detection, the self-healing BIOS that automatically recovers itself from attacks or corruption.[14]

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Technical specifications

Available Operating Systems	Windows 11 IoT Enterprise 2024 LTSC[1] HP Smart Zero Core HP ThinPro IGEL OS
Browser	Mozilla Firefox (for models with HP ThinPro); Microsoft Edge (for models with Windows 11 IoT Enterprise LTSC 2024); Google Chrome Browser; Google Chrome via online download (for models with Microsoft Windows 11 IoT Enterprise 2024)
Available Processors[17]	Intel® N N97 Quad-Core Processor (up to 3.60 GHz burst frequency, 6 MB cache, 4 cores, 12W) with Intel® UHD Graphics
Maximum memory	16 GB DDR5-5600 MHz RAM Transfer rates up to 4800 MT/s
Memory slots	1 SODIMM
Internal storage	32 GB up to 512 GB NAND flash memory; non-volatile
Display support	Up to 3 displays 4K supported. Two DisplayPort™ 1.4 video outputs provided at the back of the system.
Available Graphics	Integrated: Intel® UHD Graphics [2]
Audio	Internal amplified speaker system for basic audio playback
Ports and connectors	Front: 1 USB Type-C® 10Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate; 1 3.5 mm headphone/microphone combo ; Back: 2 USB Type-A 10Gbps signaling rate; 1 AC power; 2 DisplayPort™ 1.4; 1 RJ-45; 2 USB Type-A 480Mbps signaling rate ; Optional ports: 1 HDMI; 1 VGA; 1 external antenna connector; 2 USB Type-A 5Gbps signaling rate; 1 USB Type-C® 10Gbps signaling rate
Input devices	HP USB Business Slim SmartCard CCID Keyboard; HP USB 320K wired keyboard; HP 125 Wired Keyboard; HP Wired 320M Mouse; HP 125 Anti-microbial Mouse; HP 125 Wired Mouse[10]
Communications	WLAN: Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card with external antenna; Intel® Wi-Fi 6 AX211 (2x2) and Bluetooth® 5.3 wireless card with internal antenna; MediaTek Wi-Fi 6 RZ616 (2x2) and Bluetooth® 5.3 wireless card with internal antenna; MediaTek Wi-Fi 6E RZ616 (2x2) and Bluetooth® 5.3 wireless card with external antenna[4,9]
Software	HP Device Manager[11,12,15,16]; HP Smart Shell[11,12,13,15]; HP Easy Tools[11,12,15]; HP Smart Zero Client Services[11,12,15]; HP ThinUpdate[11,12,15]; HP True Graphics[11,12,14,15]; Microsoft SCCM/EDM Agent[11,12,15]
Security management	HP Tamper Lock[18]; HP Secure Erase[19]; HP Sure Admin[20]; HP Sure Recover[56]; HP Sure Start[57]

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Power	65 W external power adapter; 65 W external Smart AC power adapter, up to 88% efficiency
Dimensions	3.5 x 20 x 20 cm
Weight	1.3 kg; (Weight will vary depending on configuration.)
Ecolabels	EPEAT® registered configurations available[6]
Energy star certified	ENERGY STAR® certified
Certification and compliance	EMC; EN 60601-1-2

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Accessories and services (not included)

HP 105 Sanitizable Mouse Pad		Elevate your space with an anti-slip, durable, sanitizable[1], and spill-resistant mouse pad. With effortless gliding and pinpoint accuracy, this minimalist mouse pad maximizes movement to make the perfect accomplice to your favorite mouse. **Product number: 8X595AA** [1] Select household wipes can be safely used up to 1,000 wipes. See wipe manufacturer's instructions for disinfecting and the HP cleaning guide for HP tested wipe solutions at How to Clean Your HP Device Whitepaper (https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW) [2] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 EPEAT® standard.
HP Multi-Device Dual-Mode Mouse and Keyboard Combo 495C		Conquer your busiest days with ease. This reliable mouse and keyboard combo lets you multitask across devices and operating systems,[1] with secure connections and time-saving shortcuts that boost focus and efficiency - wherever work takes you. **Product number: BE1Q0UT** [1] Supports Windows 10/11, macOS, ChromeOS, Android, and iOS. All platforms except Windows have limited feature compatibility. [2] Requires HP Accessory Center (HPAC) Software. HPAC available for free download in Microsoft Store.

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Footnotes

Messaging Footnotes

[9] HP ThinPro is configurable at purchase.
[10] Wi-Fi 6E requires a Wi-Fi 6E router, sold separately to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported.
[11] 4k content required to view 4K images. Displays sold separately and not included.
[12] MIL-STD testing is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.
[1] Optional feature that must be configured at the time of purchase.
[2] HP ProDesk 5 G1 Thin Client offers Windows 11 IoT LTSC, HP ThinPro 9, and HP Smart Zero Core, IGEL OS Certified. Operating system must be configured at the time of purchase.
[3] HP Wolf Security for Business is available via download from https://www.hp.com/us-en/security/endpoint-security-solutions.html?jumpid=ps_us_go_mk_se_cm018303_c... Windows 10 or 11 Pro and higher is required. Various HP security features are included and are available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features.
[4] HP Tamper Lock must be configured at the factory and requires a supervisor password be established prior to use.
[5] 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.
[6] Optional feature that must be configured at the time of purchase. For hard drives and solid-state drives, GB=1billion bytes.
[7] Requires Windows 11 IoT Enterprise LTSC 2024 or later or HP ThinPro 8.1 Operating System or later on endpoint and Internet access. Visit https://www.hp.com/us-en/solutions/cloud-computing/thin-client-software.html for Terms of Service datasheet, feature listings and configuration requirements as they become available.
[8] Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.
[13] EPEAT® status varies by country. Visit http://www.epeat.net for more information.
[14] HP Sure Start is available on select HP devices. See product specifications for availability.

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. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com .
[2] Graphics chipset uses part of the total system memory (RAM) for graphics performance. System memory dedicated to graphics performance is not available for other use by other programs.
[3] Optional or add-on feature.
[4] Wi-Fi 6E requires a Wi-Fi 6E router, sold separately to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported.
[5] Software is dependent on operating system installed. Please refer to this product's QuickSpec for more details.
[6] EPEAT tier levels may vary by country. See www.epeat.net for registration status and tier levels by country.
[7] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.
[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] 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.
[10] HP 125 Anti-microbial Mouse sold only in China.
[11] Requires installation and download from HP.com .
[12] Requires Windows 10 IoT Enterprise LTSC 2016 or later or HP ThinPro 7.2 SP11 operating system or later on endpoint and Internet access. Visit https://www.hp.com/us-en/solutions/cloud-computing/thin-client-software.html to download or view the complete details and configuration requirements. See datasheet for feature listings as they become available at the following URL: https://www8.hp.com/h20195/v2/GetDocument.aspx?docname=c08045808 .
[13] HP Smart Shell is currently available on HP Thin Clients with a Windows Embedded OS.
[14] HP True Graphics requires an HP Thin Client with an HP ThinPro 5.0 or higher operating system (combo OS with HP Smart Zero Core begins at v5.0), AMD processing technology, and a Citrix® virtual desktop infrastructure—XenApp® or XenDesktop® v7.0 or higher or WES 7E 32-bit/Windows 10 IoT with a Citrix® 4.4 receiver and Citrix® virtual desktop infrastructure—XenApp® or XenDesktop® v7.0 or higher. HP True Graphics is preinstalled on the OS starting with HP ThinPro 5.2. See product QuickSpecs for exact compatibility.
[15] Software is dependent on operating system installed.

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Footnotes

Specification Footnotes

[16] Internet access required and sold separately.
[17] 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.
[18] HP Tamper Lock must be enabled by the customer or your administrator.
[19] 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™.
[20] 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 Apple store.
[56] HP Sure Recover is available on select HP PCs and requires Windows 10 or Windows 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. Network based recovery using Wi-Fi is only available on select PCs.
[57] HP Sure Start is available on select HP PCs and requires Windows 10 and higher.