

HP EliteDesk 8 SFF G1i Desktop AI PC

AI-enhanced power and scalability for small workspaces

Tackle multi-tasking needs with the AI-enhanced performance of the HP EliteDesk 8 SFF G1i AI PC. Powered by an Intel® Core™ Ultra processor² with an up to 13 TOPS NPU³ and optional NVIDIA® A1000 graphics¹², this scalable AI PC enhances modern workspaces.

AI-enhanced hardware for peak performance

Powered by the latest Intel® Core™ Ultra processor² with an up to 13 TOPS NPU³ and optional NVIDIA® A1000 graphics⁴, the HP EliteDesk 8 SFF G1i AI PC enhances productivity and streamlines workflows with AI capabilities.

Versatile design for small workspaces

Seamlessly integrate into offices with limited space without compromising power. Its small design offers scalability and connectivity for multitasking, making the HP EliteDesk 8 SFF G1i AI PC ideal for modern work environments.

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, these constantly evolving solutions help protect your PC from modern threats.⁵



*Product image may differ from actual product

Sustainability in action

Help protect our shared future

At least 50 percent of all plastic used in this PC is post-consumer recycled plastic.⁶ 100% of HP paper-based packaging is from recycled or certified sustainable sources.⁷ This PC is ENERGY STAR®²³ certified and EPEAT® Climate+ Gold registered.⁸



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Featuring

HP Recommends Windows 11 Pro for business with Microsoft Copilot

Work without compromise with Windows 11 Pro and HP collaboration, security, and connectivity technology. Summarize and get relevant content recommendations with Microsoft Copilot.^{1,9}

Intel® powers PCs enhanced by AI

Free up time to focus on what matters with the latest Intel® Core™ Ultra processor with an up to 13 TOPS NPU. Three compute engines manage workloads, help improve video conferencing and allow for advanced content creation.^{2,3}

Breakthrough performance

Power users with heavy workloads will enjoy up to 128 GB DDR5 memory, and optional AMD Radeon™ RX6300 or NVIDIA® A1000 graphics. Get ready for an immersive experience with the ability to connect up to eight monitors.^{4,13}

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, these constantly evolving solutions help protect your PC from modern threats.⁵

Browse confidently

Help protect your PC from websites and read-only Microsoft Office and PDF attachments with malware, ransomware, or viruses with hardware-enforced security from HP Sure Click.¹⁰

Automatic recovery from firmware attacks

Firmware attacks can completely devastate your PC. Stay protected with HP Sure Start, the self-healing BIOS that automatically recovers itself from attacks or corruption.¹¹

Keep your PC's security protections in place

Stop unwanted changes to security settings and help limit the spread of malware with HP Sure Run which identifies, quarantines, and provides reporting on attackers trying to kill processes.¹²

Fast and efficient Wi-Fi 7

The portability of your PC and the reliability of a fast connection determines where you can work. Get a fast and reliable connection in dense wireless environments with optional gigabit data rate Wi-Fi 7.^{4,14,15}

Physical tamper protection

Require a supervisor password to be used to unlock a PC anytime tamper detection sensors located on the top cover of the PC and on internal storage are removed with HP Tamper Lock.¹⁶

Built-in durability

Rest easy with a PC that undergoes 120,000 hours of HP's Total Test Process and MIL-STD 810 testing. Help extend protection with an optional removable dust filter.^{17,18,19}

HP Sure Sense

Malware is evolving rapidly beyond traditional antivirus capabilities. Protect your PC against never-before-seen attacks with HP Sure Sense, which combines behavioral analysis with advanced AI techniques to provide exceptional protection.²⁰

Enhanced predictive coverage

Limit interruptions with HP Premium+ Support, a smart service that alerts of potential device issues using predictive AI-powered insights, automation and proactive 24/7 support for our fastest diagnosis and repair—wherever work happens.^{21,22}



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Technical specifications

Available Operating Systems	Windows 11 Pro ¹ Windows 11 Pro Education ¹ Windows 11 Home – HP recommends Windows 11 Pro for business ¹ Windows 11 Home Single Language – HP recommends Windows 11 Pro for business ¹ FreeDOS
Processor family	Intel® Core™ Ultra 9 processor Intel® Core™ Ultra 7 processor Intel® Core™ Ultra 5 processor
Available Processors	Intel® Core™ Ultra 9 285 (up to 5.6 GHz with Intel® Turbo Boost Max Technology, 36 MB L3 cache, 24 cores, 24 threads) with Intel® Graphics and Intel® AI Boost (13 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 7 265 (up to 5.3 GHz with Intel® Turbo Boost Max Technology, 30 MB L3 cache, 20 cores, 20 threads) with Intel® Graphics and Intel® AI Boost (13 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 5 245 (up to 5.1 GHz Max Turbo frequency, 24 MB L3 cache, 14 cores, 14 threads) with Intel® Graphics and Intel® AI Boost (13 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 5 235 (up to 5 GHz Max Turbo frequency, 24 MB L3 cache, 14 cores, 14 threads) with Intel® Graphics and Intel® AI Boost (13 NPU TOPS), supports Intel® vPro® Technology Intel® Core™ Ultra 5 225 (up to 4.9 GHz Max Turbo frequency, 20 MB L3 cache, 10 cores, 10 threads) with Intel® Graphics and Intel® AI Boost (13 NPU TOPS)
Neural Processing Unit	Intel® AI Boost
Chipset	Intel® Q870
Product colour	Jack black
Form factor	Small form factor
Maximum memory	128 GB DDR5-5600 MT/s; ^{7,8,9,39,40} Transfer rates up to 5600 MT/s.
Memory slots	4 DIMM
Internal storage	1 TB up to 2 TB SATA HDD ^{10,44} 256 GB up to 1 TB PCIe® NVMe™ M.2 SSD ^{10,44} 512 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD ^{10,44} 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD ^{10,44} 256 GB PCIe® NVMe™ OPAL 2 M.2 SSD ^{10,44}
Optical drive	HP 9.5 mm Slim DVD-Writer; HP 9.5 mm Slim DVD-ROM ³
Available Graphics	Integrated: Intel® UHD Graphics 4X ^e ; Intel® UHD Graphics 3X ^e ; Intel® UHD Graphics 2X ^e Discrete: AMD Radeon™ RX 6300 Graphics (2 GB GDDR6 dedicated); NVIDIA RTX™ A1000 (8 GB GDDR6 dedicated); NVIDIA RTX™ A400 (4 GB GDDR6 dedicated)
Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support
Expansion slots	1 M.2 2230; 1 PCIe 4 x16; 3 M.2 2280; 1 PCIe 4 x4 (1 M.2 2230 slot for WLAN and 3 M.2 2280 slots for storage)
Ports and connectors	Front: 2 USB Type-C® 20Gbps signaling rate; 4 USB Type-A 10Gbps signaling rate; 1 headphone/microphone combo ; Rear: 2 USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 RJ-45; 1 audio-in/out; 1 power connector; 3 USB Type-A 480Mbps signaling rate; 2 DisplayPort™ 2.1 ; Optional Ports: Add-on port: 1 serial; Flex IO port 1 – choose one of the following options: 1 DisplayPort™ 2.1, 1 HDMI 2.1, 1 VGA, 1 serial, 1 Dual SuperSpeed USB Type-A 5Gbps signaling rate, 1 SuperSpeed USB Type-C® 10Gbps signaling rate (15W output, DisplayPort™ 1.4), 1 Thunderbolt™ 4, 1 Dual SuperSpeed USB Type-C 10Gbps signaling rate port with 15W power out, 1 HP Fiber NIC Port (1Gbps); Flex IO port 2 – choose one of the following options: 1 Dual Type-A SuperSpeed USB 5Gbps signaling rate port, 1 Serial
Input devices	HP 725 Multi-Device Rechargeable Wireless Keyboard and Mouse combo; HP USB 320K v2 Keyboard; HP USB Business Slim Wired v2 SmartCard CCID Keyboard; HP 125 v2 Wired Keyboard; HP 125 v2 AntiMicrobial Wired Keyboard ¹⁹ ; HP 125 Wired Mouse; HP 128 Laser Wired Mouse; HP 125 Antimicrobial Wired Mouse; HP USB Hardened Optical Wired Mouse; HP Wired 320M Mouse ¹⁹
Communications	LAN: Intel® I219-LM GbE LOM, vPro®; Intel® I226-T1 PCIe® 2.5 GbE ¹⁵ ; Realtek Wi-Fi 6E RTL8852CE 802.11a/b/g/n/ax (2x2) and Bluetooth® 5.3 wireless card; 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®
Drive Bays	One 3.5" HDD; 1 slim ODD ¹⁴
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH
Software	HP UEFI BIOS Certification Level 2.7B; HP Notifications; HP PC Hardware Diagnostics UEFI; HP Support Assistant ¹³ ; HP Connection Optimizer; HP Privacy Settings; HP PC Hardware Diagnostics Windows; HP Desktop Support Utilities; myHP ³⁷ ; HP Easy Clean; Touchpoint Customizer for Commercial; HP Easy Clean Keyboard Driver; HSA Fusion for Commercial; HSA Telemetry for Commercial
Available software	HP Smart Support ¹⁷
Security management	HP Wolf Security for Business includes: HP Sure Start, HP Secure Erase ²⁰ , HP Sure Admin ²¹ , HP Sure Click ²² , HP Sure Run ²³ , HP Sure Sense ²⁴ , HP Sure Recover ²⁵ , HP Sure Start ²⁶ ; HP Tamper Lock ²⁷ ; Secured-Core PC Enable; Absolute Persistence Module ¹⁸ ; HP BIOS Recovery; BIOS Update via Network; HP BIOSphere ²⁸ ; HP Secure Erase ²⁹ ; HP DriveLock and Automatic DriveLock
Security Software Licenses	HP Wolf Pro Security Edition ⁵⁶



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Management features	HP Client Catalog (download) ¹² ; HP Client Management Script Library (download); HP Cloud Recovery ² ; HP Connect for Microsoft Endpoint Manager ¹⁶ ; HP Driver Packs (download) ⁴ ; HP Image Assistant (download) ⁵ ; HP Manageability Integration Kit (download) ¹¹ ; HP Patch Assistant (download) ⁶
Power	180 W internal power supply, up to 90% efficiency, active PFC; 280 W internal power supply, up to 92% efficiency, active PFC
Dimensions	30.3 x 30.8 x 10 cm; 20.0 x 49.9 x 39.4 cm (Package)
Weight	4.7 kg; (Exact weight depends on configuration.)
Ecolabels	EPEAT® registered with Climate+
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Bulk packaging available; Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure and I/O strip; 60% post-consumer recycled plastic; 10% ITE-derived closed loop plastic; 80 Plus® Platinum power supplies available; 100% recycled rare earth elements in speaker ^{32,33,34,35,36}



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Footnotes

Messaging 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 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>.

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.

³ 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.

⁴ Optional feature that must be configured at the time of purchase.

⁵ HP Wolf Security for Business requires Windows 10 or 11 Pro and higher, includes various HP security features and is available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features.

⁶ Recycled plastic content percentage is based on the definition set in the IEEE 16801:2018 standard.

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 Based on US EPEAT® registration according to IEEE 16801-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.

⁹ May require Windows Update or app download from the Microsoft Store. Microsoft Copilot is NOT available in China, Russia, Belarus, and embargoed regions Cuba, Iran, North Korea, Crimea.

¹⁰ HP Sure Click requires Windows 10 and higher. See <https://bit.ly/2PrLT6A>, SureClick for complete details.

¹¹ HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 Pro and higher.

¹² HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 and higher.

¹³ Connect to eight monitors with native video ports with optional discrete graphic card, and flex IO video port.

¹⁴ 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.

¹⁵ Wi-Fi® supporting gigabit data rate is achievable with Wi-Fi 7 (802.11BE) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160 MHz channels.

¹⁶ HP Tamper Lock requires a supervisor password be established prior to use.

¹⁷ HP Total Test Process testing is not a guarantee of future performance under these test conditions. Any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

¹⁸ MIL STD 810 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. Any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

¹⁹ Optional feature that must be configured at the time of purchase.

²⁰ HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.

²¹ Predictive insights is only available with HP Premium+ Support. Select HP Workforce Solutions require an HP Insights agent for Windows, Mac, & Android, available for download at <https://admin.hp.com/software>. For full system requirements and services that require the agent, please visit <https://admin.hp.com/requirements>. The agent collects telemetry and analytics around devices and applications that integrate into the Workforce Experience platform and is not sold as a standalone service. Internet access with connection to the Workforce Experience platform is required. HP follows stringent GDPR privacy regulations, and the platform is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security.

²² HP Essential Support, HP Premium Support and HP Premium+ Support are available at the time of device purchase. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

²³ ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.

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. 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 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, 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>.

³ HD-DVD disks cannot be played on the DVD-ROM drive. No support for DVD-RAM. Actual speeds may vary. Don't copy copyright-protected materials. Double Layer discs can store more data than single layer discs. Discs burned with this drive may not be compatible with many existing single-layer DVD drives and players. Flawless playback on all systems is not guaranteed.

⁴ HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.

⁵ HP Image Assistant not preinstalled, however available for download at <https://ftp.ext.hp.com/pub/caps-softpaq/cmit/HPIA.html>.

⁶ HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>.

⁷ Memory modules support data transfer rates up to 4800 MT/s; system speed up to 4400 MT/s, following Intel's design guideline. Actual data rate is determined by the system configuration.

⁸ System architecture design is 2 DIMMS per channel and the population starts from the furthest memory slot from the processor.

⁹ Symmetric configurations are required for the 2 DIMMs within the same memory channel.

¹⁰ For storage drives, GB = 1 billion bytes, TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows) of disk is reserved for system recovery software.

¹¹ HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.

¹² HP Client Catalog not preinstalled, however available for download at <https://www.hp.com/us-en/solutions/client-management-solutions.html>.

¹³ HP Support Assistant: Requires Windows and Internet access.

¹⁴ PC can only be configured with one of these three available optional features: slim ODD or removable HDD or M.2 SSD bay.

¹⁵ Intel® Ethernet Network Adapter I226-T1: sold separately or as an optional feature.

¹⁶ 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.

¹⁷ HP Smart Support automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit <http://www.hp.com/smart-support>

¹⁸ 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/>.

¹⁹ Availability varies by countries.

²⁰ 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.

²¹ HP Sure Admin requires HP G8 or newer platforms, Windows 10 or higher, HP BIOS, HP Manageability Kit or KMS Service from <http://www.hp.com/go/clientmanagement> and HP Sure Admin Local Access Authenticator

²² HP Sure Click requires Windows 10 Pro or higher or Enterprise. See <https://bit.ly/2PrLT6A>, SureClick for complete details.

²³ HP Sure Run is available on select HP PCs and requires Windows 10 and higher.

²⁴ HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS.

²⁵ 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 Gen 6 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.

²⁶ HP Sure Start is available on select HP PCs and requires Windows 10 and higher.

²⁷ HP Tamper Lock can be Enabled/disabled by customers or IT administrator with administrator authority.

²⁸ HP BIOSphere features may vary depending on the platform and configuration.

²⁹ HP Secure Erase implements the methods outlined in the National Institute of Standards and Technology Special.

³⁰ ENERGY STAR and the ENERGY STAR logo are registered trademarks of the U.S. Environmental Protection Agency.

³² Percentage of ocean-bound plastic contained in each component varies by product.

³³ Recycled plastic content percentage is based on the definition set in the IEEE 16801:2018 standard.

³⁴ ITE Derived Closed Loop Plastic percentage is based on the definition set in the IEEE 16801:2018 standard.

³⁵ 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.

³⁶ Molded pulp cushions are made from 100% recycled wood fiber and organic materials.

³⁷ myiHP requires Windows OS.

³⁸ 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.

³⁹ To achieve optimal memory speed, HP strongly recommends to use identical memory modules (e.g., same capacity, same part number and from the same supplier) within the same memory channel.

⁴⁰ All memory slots are customer accessible / upgradeable.

⁴¹ Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires Windows 11 24H2 which would be available starting from end of Aug./2024, a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported.

⁴² Starting from November 1st 2023, all shipments will require Windows to be installed on SSD to provide users a better experience. HDD can only be configured as additional data drives and not the boot drive.

⁴⁶ Wi-Fi 6E might be restricted by local regulation and only available in countries where Wi-Fi 6E is supported. HP will enable countries in the future by upgrading BIOS in default as the technology becomes available in more regions.

⁵⁶ HP Wolf Pro Security Edition (including HP Sure Click Pro and HP Sure Sense Pro) is available preloaded on select SKUs and, depending on the HP product purchased, includes a paid 1-year or 3-year license. The HP Wolf Pro Security Edition software is 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 (HP Sure Sense Pro and HP Sure Click Pro) is effective upon activation and will continue for either a twelve (12) month or thirty-six (36) month license term ("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 Sure Sense at no additional cost with no future software updates or HP Support.

