

# HP ENVY Desktop TE02-0030



## Product overview

- Power now. Upgrades tomorrow.** Get the power you need now with an Intel® processor, NVIDIA graphics, and easy expandability when you need it.
- Seamlessly create across all of your devices:** Nothing gets in the way of your creativity with easy access ports to connect all your gear.
- Because little things make a big difference:** With EPEAT® Gold and ENERGY STAR® ratings, plus sustainable materials like ocean-bound plastic, post-consumer recycled plastic, and water-based paint, you can feel like you made a difference, along with a great choice.<sup>[630][631][632]</sup>

## Key specifications

### Operating system: Windows 11 Home<sup>(1)</sup>

- Processor:** 12th Generation Intel® Core™ i7-12700 processor<sup>(2b)</sup>
- Memory:** 16 GB DDR4-3200 SDRAM memory<sup>(3)</sup> (2 x 8 GB)
- Internal Storage:** 1 TB PCIe® NVMe™ M.2 Solid State Drive<sup>(15)[58c]</sup>
- Graphics:** NVIDIA® GeForce RTX™ 3070 Ti graphics card with 8 GB GDDR6X dedicated memory<sup>(13)</sup>
- Mouse and keyboard:** HP 710 black wireless keyboard and mouse combo
- USB ports:** Top I/O: 1 SuperSpeed USB Type-C® 5Gbps signaling rate, 3 SuperSpeed USB Type-A 5Gbps signaling rate; Rear: 2 USB 2.0 Type-A, 1 SuperSpeed USB Type-A 5Gbps signaling rate, 1 SuperSpeed USB Type-A 10Gbps signaling rate, 1 SuperSpeed USB Type-C® 5Gbps signaling rate, 1 SuperSpeed USB Type-C® 10Gbps signaling rate<sup>(42)</sup>, 1 Thunderbolt™ 4 with USB4™ Type-C 40Gbps signaling rate<sup>(51)[59]</sup> (USB Power Delivery, DisplayPort™ 1.4)<sup>(50)</sup>
- Wireless:** Wi-Fi 6 (2x2) and Bluetooth® Combo (Supporting Gigabit data rate), MU-MIMO supported<sup>(19e)[26]</sup>
- Warranty:** 1-year limited hardware warranty

## Product features

- Get a fresh perspective with Windows 11:** From a rejuvenated Start menu, to new ways to connect to your favorite people, news, games, and content—Windows 11 is the place to think, express, and create in a natural way.<sup>(11)</sup>
- A dynamic processor that adapts to you for superior multi-tasking performance:** 12th Gen Intel® Core™ processor distributes performance where you need it the most — saving you time and increasing your ability to do the things you actually want.
- NVIDIA® GeForce RTX™ 3070 Ti graphics:** The GeForce RTX™ 3070 Ti graphics card is powered by Ampere—NVIDIA's 2nd gen RTX architecture for the power you need to rip through the most demanding games.
- PCIe® NVMe™ SSD storage:** Get up to 10x faster performance than a traditional hard drive.<sup>(58c)</sup>
- SuperSpeed USB Type-C® 5Gbps signaling data rate:** Plug in your external storage with this SuperSpeed USB Type-C® port, featuring 5Gbps signaling data rate. And it's reversible, so you never have to worry about plugging in upside down.<sup>(42)[43]</sup>
- SuperSpeed USB Type-C® 10Gbps signaling data rate:** Plug in your external storage with this SuperSpeed USB Type-C® port, featuring 10Gbps signaling data rate. And it's reversible, so you never have to worry about plugging in upside down.<sup>(42)[43]</sup>
- SuperSpeed USB Type-A 5Gbps signaling data rate:** Plug in your external storage with this SuperSpeed USB Type-A port, featuring 5Gbps signaling data rate.<sup>(43)</sup>
- SuperSpeed USB Type-A 10Gbps signaling data rate:** Plug in your external storage with this SuperSpeed USB Type-A port, featuring 10Gbps signaling data rate.<sup>(43)</sup>
- Thunderbolt™ 4 with USB4™ Type-C:** Power your device or connect up to two 4K displays with a single cable and blazing 40Gbps signaling rate.<sup>(43)</sup>

## The power to create without limits

Get the power you need to take on your biggest passion project now and easy expandability for whatever you dream up next.

## Additional product features

- DDR4 RAM:** With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.
- Effortlessly connected:** Enjoy a smooth wireless experience with a Wi-Fi 6 (2x2) and Bluetooth® combo.<sup>(19e)[26]</sup>
- Upgrading is easy:** Upgrading memory and storage is easy with our tool-less door design.
- HP QuickDrop:** Wirelessly transfer photos, videos, documents and more between your PC and mobile device.
- McAfee LiveSafe™:** Protect your operating system with a free 30-day McAfee LiveSafe™ trial.<sup>(8)</sup>

## Designed with the planet in mind

HP is dedicated to driving progress toward a more sustainable future and making responsible choices for the environment and our customers. We are innovating new ways to reduce the amount of materials in our products and packaging—and to use more recycled materials in their design. Together we can make a difference.

- Built with the environment in mind, this HP Pavilion Desktop is designed using sustainable materials like:
  - Includes water-based paint<sup>(63g)</sup>
  - Includes post-consumer recycled plastic<sup>(63f)</sup>
  - Includes ocean-bound plastic<sup>(63c)</sup>
- HP's outer boxes and fiber cushions used in packaging are 100% sustainably sourced and recyclable.<sup>(63e)</sup>
- ENERGY STAR® certified<sup>(62)</sup>
- EPEAT® Gold registered<sup>(27)</sup>

## Warranty and support

Our Customer Support Team consistently provides quick, responsive assistance in the U.S., Canada and Latin America.

### Included with your product:

- HP's Hardware Limited Warranty:** Full warranty details are included with your product.

- Technical Support for Software & Initial set-up:** Warranty details are included with your product.

### Support Options:

- HP Support Assistant - HPSA:** Optimized to enhance your support experience. Help for your PC and HP printers whenever you need it.<sup>(65)</sup>
- Online Support:** For technical support with this product, visit HP Customer Support <http://support.hp.com>.<sup>(10)</sup>
- Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Community at [community.hp.com](http://community.hp.com), on Twitter at [twitter.com/HPSupport](http://twitter.com/HPSupport), and Facebook at [facebook.com/HPSupport](http://facebook.com/HPSupport).<sup>(10)</sup>

### Extend your coverage:

- SmartFriend, part of HP Care:** Experts are available 24/7 to handle any tech issue, on any device, from any brand. Visit [www.hp.com/go/smartfriend](http://www.hp.com/go/smartfriend) to learn more or call toll-free 1.844.814.1800 to get started.<sup>(95)</sup>

- Care Packs, part of HP Care:** Extend protection beyond the standard limited warranty. For more info, visit [www.hp.com/go/carepack-services](http://www.hp.com/go/carepack-services) or call toll-free at 1.877.232.8009.<sup>(83)</sup>



## Specifications

<b>Operating system</b>	• Windows 11 Home <sup>(1)</sup>
<b>Processor</b>	• 12th Generation Intel® Core™ i7-12700 processor <sup>(2b)</sup> • 12-core
<b>Processor speed</b>	• 2.10 GHz <sup>(2h)</sup>
<b>Cache</b>	• 25 MB Cache
<b>Memory</b>	• 16 GB DDR4-3200 SDRAM memory <sup>(3)</sup> (2 x 8 GB) (expandable to 128 GB unbuffered with 32 GB DIMMs)
<b>Internal storage</b>	• 1 TB PCIe® NVMe™ M.2 Solid State Drive <sup>(15)(58c)</sup>
<b>Finish</b>	• HP finish in natural silver
<b>Video graphics</b>	• NVIDIA® GeForce RTX™ 3070 Ti graphics card with 8 GB GDDR6X dedicated memory <sup>(13)</sup>
<b>Network interface</b>	• 10/100/1000 Base-T Network <sup>(29)</sup>
<b>Wireless connectivity</b>	• Wi-Fi 6 (2x2) and Bluetooth® Combo (Supporting Gigabit data rate), MU-MIMO supported <sup>(19e)(2e)</sup>
<b>Sound</b>	• 5.1 surround sound
<b>Memory slots</b>	• 4 DIMM (288-pin) (two available)
<b>Expansion slots</b>	• 1 PCI-E Gen 5 x16 (occupied) • 3 M.2 (2 for SSD, 1 for WLAN) (one available for SSD)
<b>Expansion bays</b>	• 1 (supports both 2.5 and 3.5" form factor storage (available)
<b>External ports</b>	• Headphone/Microphone Combo, Microphone Jack • Top I/O: 1 SuperSpeed USB Type-C® 5Gbps signaling rate, 3 SuperSpeed USB Type-A 5Gbps signaling rate • Rear: 2 USB 2.0 Type-A, 1 SuperSpeed USB Type-A 5Gbps signaling rate, 1 SuperSpeed USB Type-A 10Gbps signaling rate, 1 SuperSpeed USB Type-C® 5Gbps signaling rate, 1 SuperSpeed USB Type-C® 10Gbps signaling rate <sup>(42)</sup> , 1 Thunderbolt™ 4 with USB4™ Type-C 40Gbps signaling rate <sup>(51)(59)</sup> (USB Power Delivery, DisplayPort™ 1.4) <sup>(50)</sup> • HDMI • 3 DisplayPort™ <sup>(50)</sup>
<b>Multi-display capable</b>	• DisplayPort and HDMI capabilities, NVIDIA® Surround™ multi-display technology, support for Microsoft® DirectX® 12 <sup>(13)</sup>
<b>Mouse and keyboard</b>	• HP 710 black wireless keyboard and mouse combo
<b>Power supply</b>	• 800 W 80 Plus Gold certified ATX power supply
<b>Dimensions</b>	• <b>Unpackaged (w/foot):</b> 6.50 in (W) x 15.59 in (D) x 17.64 in (H) approx. • <b>Unpackaged (w/o foot):</b> 6.50 in (W) x 15.59 in (D) x 17.05 in (H) approx. • <b>Packaged:</b> 19.61 in (L/D) x 11.73 in (W) x 22.44 in (H) approx.
<b>Weight</b>	• <b>Unpackaged:</b> 30.31 lb approx. <sup>(76)</sup> • <b>Packaged:</b> 31.72 lb approx.
<b>Warranty and support</b>	• 1-year limited hardware warranty. Additional information available at <a href="http://www.support.hp.com">www.support.hp.com</a> • 1-year limited technical support for software and initial setup (from date of purchase) <sup>(53)</sup>

## Learn more at [hp.com](http://hp.com)

<sup>(1)</sup> 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>. <sup>(2b)</sup> Multi-core 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. Intel, Pentium, Intel Core, Celeron, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries. <sup>(2h)</sup> GHz refers to internal clock speed of the processor. Other factors besides clock speed may impact system and application performance. <sup>(3)</sup> Up to 512MB of main system memory may be allocated to support video graphics. <sup>(8)</sup> Internet access required and not included. Subscription required after 30 days trial period. McAfee, LiveSafe and the McAfee logo are trademarks or registered trademarks of McAfee, Inc. in the United States and other countries. <sup>(10)</sup> Internet service required and not included. <sup>(13)</sup> ©2021 NVIDIA Corporation. NVIDIA, the NVIDIA logo, GeForce, and GeForce RTX are registered trademarks and/or trademarks of NVIDIA Corporation in the United States and other countries. All other trademarks and copyrights are the property of their respective owners. <sup>(15)</sup> Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. <sup>(19e)</sup> 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. Wi-Fi 6 is designed to support gigabit data rate when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 80MHz and higher channels. Only available in countries where Wi-Fi 6 is supported. <sup>(22)</sup> 100GB of free online storage for one year from date of registration. For complete details and terms of use, including cancellation policies, visit the website at [dropbox.com](http://dropbox.com). Internet service required and not included. <sup>(23)</sup> HP BIOS Protection works with Windows 10 or 11 that ships with your PC. <sup>(26)</sup> Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license. <sup>(27)</sup> Based on U.S. EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit [www.epeat.net](http://www.epeat.net) for more information. <sup>(29)</sup> Actual speeds may vary. <sup>(42)</sup> USB Type-C® and USB-C® are trademarks of USB Implementers Forum. <sup>(43)</sup> Actual throughput may vary. <sup>(50)</sup> DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA) in the United States and other countries. <sup>(51)</sup> Thunderbolt is a trademark of Intel Corporation or its subsidiaries in the U.S. and/or other countries. <sup>(53)</sup> Call 1.800.474.6836 or support.hp.com for more information on Care Packs available after standard warranty expires. After standard warranty expires, an incident fee may apply. <sup>(56)</sup> For more information visit [hp.com/go/hpsupportassistant](http://hp.com/go/hpsupportassistant). (Link will vary outside of the U.S.) HP Support Assistant is only available on Windows-based PCs. Internet connection required for updating and connecting to HP Support. <sup>(58c)</sup> Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 7,200 rpm HDD. <sup>(59)</sup> SuperSpeed USB 20Gbps is not available. <sup>(62)</sup> ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. <sup>(63d)</sup> Percentage of ocean-bound plastic contained in each component varies by product. <sup>(63a)</sup> 100% outer box/corrugate cushion packaging made from sustainably sourced certified and recycled fibers. Fiber cushions made from 100% recycled wood fiber and organic material. Excludes plastic bags and plastic foam sheeting. <sup>(63b)</sup> Percentage of post-consumer recycled plastic varies by product. Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard. <sup>(63c)</sup> Percentage of water-based paint varies by product. <sup>(76)</sup> Weight and system dimensions may fluctuate due to configuration and manufacturing variances. <sup>(83)</sup> Service levels and response times for Care Packs may vary depending on your geographic location. Restrictions and limitations apply. Service starts at date of hardware purchase. HP Care Packs are sold separately. For details, visit [hp.com/go/carepack-services](http://hp.com/go/carepack-services). <sup>(88a)</sup> Offer available worldwide to new and existing subscribers who are 18+. Click on the Adobe icon in the start menu to redeem a 1-month free trial membership for select Adobe software. The software is tied to the device and is not transferrable. If you cancel before the end of the one-month free trial, you won't be charged. You can cancel your subscription anytime via your Adobe Account page or by contacting Customer Support. Not available to Education, OEM, or volume licensing customers. Subject to availability where the recipient resides. Additional terms and conditions may apply. Void where prohibited or restricted by law. <sup>(95)</sup> HP SmartFriend will support any major brand of computer and tablet running Microsoft Windows, OSX, iOS, Android, and Chrome OS. 24x7 support is available in English and in the US & Canada (excluding the Province of Quebec) only. Service availability varies by country/region. Internet connection required for remote support. Remote support not available for tablets. Not all service plans cover support for tablets. HP SmartFriend sold separately or as an add-on feature. Actual product may vary from image shown on datasheet. © Copyright 2022 HP Development Company, L.P. The information contained herein is subject to change without notice. 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## Software

<b>HP help and support</b>	• <b>myHP:</b> myHP provides a simple setup and registration experience that welcomes you to your new HP PC. Customize, optimize, and secure your device with tips and tricks and easy-to-access settings, and receive helpful messages and information to keep things running smoothly. • <b>HP BIOS Protection:</b> Get peace of mind knowing your PC BIOS is protected. HP BIOS Protection automatically checks its health and recovers itself. <sup>(23)</sup> • <b>HP Support Assistant:</b> Help with your HP PC and printers whenever you need it. <sup>(56)</sup>
<b>Books, music, photos and videos</b>	• <b>Adobe Offer:</b> Get a complimentary 1 month trial of the best creativity and productivity apps from Adobe with the purchase of a computer from HP. Create anything you can imagine – photos, videos, graphics, webpages, PDFs, and more. Get started with the app that best fits your need. <sup>(88a)</sup>
<b>Productivity and tools</b>	• <b>HP QuickDrop:</b> Wirelessly transfer photos, videos, documents and more between your PC and mobile device. Easily snap a photo to share, send addresses for directions on-the-go, and view texts on your PC's screen. With HP QuickDrop, file transfers are easy, fast and reliable. <sup>(10)</sup> • <b>OMEN Gaming Hub:</b> Your one place for everything to make your gaming experience better. From software enhancements to hardware control, and live services, OMEN Gaming Hub elevates play in an easy and simple way. • <b>Dropbox cloud storage:</b> Store and synchronize your content online with Dropbox. Get 100GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access. <sup>(10)(22)</sup> • <b>HP Connection Optimizer:</b> Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points. <sup>(10)</sup>
<b>Security and protection</b>	• <b>McAfee LiveSafe™:</b> Protect your operating system with a free 30-day McAfee LiveSafe™ trial. <sup>(8)</sup>
<b>Additional information</b>	
<b>Product number</b>	• 319M1AA#ABA
<b>Ad embargo date</b>	• 05/22/2022
<b>UPC code</b>	• 196337698925
<b>Country of origin</b>	• Mexico
<b>Pallet information</b>	• <b>Dimensions:</b> 47.24 in (L/D) x 39.37 in (W) x 72.64 in (H) approx. • <b>Total weight:</b> 818.26 lb approx. • <b>Layers:</b> 3 • <b>Products per layer:</b> 8 • <b>Total products per pallet:</b> 24

