

HP Pavilion Gaming Desktop TG01-0023w



Powerful. Upgradable. It's on.

Get ready to game on your terms. With seamless expansion and easy upgrades, this potent PC keeps up with you and the games of tomorrow.

Product overview

- **Powerful graphics:** Power the latest games with smooth and responsive visuals. Discrete graphics ensure this machine easily runs your favorite gaming titles.
- **High-speed performance:** Play, create and multitask with a powerful processor. An enhanced thermal solution keeps your tower cool and quiet even when running demanding games and apps.
- **Customizable and compact design:** This sleek, space-saving tower allows you to expand and upgrade with customizable LED lights.

Key specifications

- **Operating system:** Windows 10 Home⁽¹⁾
- **Processor:** AMD Ryzen™ 5 3500 Processor^(2a)
- **Memory:** 8 GB DDR4-2666 SDRAM memory⁽³⁾ (1 x 8 GB)
- **Internal Storage:** 256 GB PCIe® NVMe™ M.2 Solid State Drive^{(15)(58d)}
- **Graphics:** NVIDIA® GeForce® GTX 1650 SUPER™ graphics card with 4 GB GDDR6 dedicated memory⁽¹³⁾
- **Mouse and keyboard:** USB Black Wired keyboard and mouse combo
- **USB ports:** 9 (4 SuperSpeed USB Type-A 5Gbps signaling rate, 4 USB 2.0 Type-A, 1 SuperSpeed USB Type-C® 5Gbps signaling rate)⁽⁴²⁾
- **Wireless:** Realtek Wi-Fi 5 (1x1) and Bluetooth® 4.2 Combo, MU-MIMO supported^{(19a)(26)}
- **Warranty:** 1-year limited hardware warranty

Product features

- **Windows 10 Home:** Do great things confidently with the familiar feel of Windows - only better.⁽¹⁾
- **NVIDIA® GeForce® GTX 1650 SUPER™ graphics:** With NVIDIA Turing™ architecture, gaming and streaming will never be the same. Get all the power you need for fast, smooth, power-efficient performance from NVIDIA® GeForce® GTX 1650 SUPER™.
- **3rd Generation AMD Ryzen™ desktop processor:** Experience powerful elite gaming and content creation with unrivaled 7nm leading edge technology and no limitations.
- **DDR4-2666 RAM:** With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.
- **OMEN Command Center:** A single touch-point for all HP gaming systems. System Vitals dynamically display your key metrics for optimal performance, while Network Booster sends gaming network traffic to the front of the line. Personalize your machine's look with customized chassis lighting.
- **PCIe® NVMe™ SSD storage:** Get up to 10x faster performance than a traditional hard drive.^(58c)
- **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.⁽⁴³⁾
- **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.⁽⁴²⁾⁽⁴³⁾

Additional product features

- **HDMI out:** Transmit digital HD video and sound to an external display.
- **5.1 Surround Sound output:** All the necessary ports for truly immersive sound quality with 5.1 surround sound.
- **Wi-Fi 5 (1x1) & Bluetooth® 4.2:** Stay connected to Wi-Fi and to Bluetooth® accessories with wireless technology.^{(19a)(26)}
- **MU-MIMO supported:** Pair with a MU-MIMO router for a smoother online experience in multi-device homes.
- **McAfee LiveSafe™:** Protect your operating system with a free 30-day McAfee LiveSafe™ trial.⁽⁸⁾

Energy efficiency your way

HP is committed to global citizenship and environmental responsibility. Do the environment—and your wallet—a favor when you use the HP Pavilion Gaming Desktop that meets strict energy-efficiency and helps reduce your carbon footprint.

- ENERGY STAR® certified⁽⁶²⁾
- EPEAT® Bronze registered^(27b)

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.⁽⁵⁶⁾
- **Online Support:** For technical support with this product, visit HP Customer Support <http://support.hp.com>.⁽¹⁰⁾
- **Social Media Support:** To find solutions, ask questions, and share tips, join us on the HP Support Community at community.hp.com, on Twitter at twitter.com/HPsupport, and Facebook at facebook.com/HPsupport.⁽¹⁰⁾

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 to learn more or call toll-free 1.844.814.1800 to get started.⁽⁹⁵⁾
- **Care Packs, part of HP Care:** Extend protection beyond the standard limited warranty. For more info, visit www.hp.com/go/carepack-services or call toll-free at 1.877.232.8009.⁽⁶³⁾



Specifications

Operating system	• Windows 10 Home⁽¹⁾
Processor	• AMD Ryzen™ 5 3500 Processor ^(2a) • 6-core
Processor speed	• 3.40 GHz ^(2a)
Cache	• 16 MB Cache
Memory	• 8 GB DDR4-2666 SDRAM memory ⁽³⁾ (1 x 8 GB) (expandable to 32 GB)
Internal storage	• 256 GB PCIe® NVMe™ M.2 Solid State Drive ^{(1)(5)(58c)}
Finish	• HP finish in shadow black
Video graphics	• NVIDIA® GeForce® GTX 1650 SUPER™ graphics card with 4 GB GDDR6 dedicated memory ⁽¹³⁾
Network interface	• 10/100/1000 Base-T Network ⁽²⁹⁾
Wireless connectivity	• Realtek Wi-Fi 5 (1x1) and Bluetooth® 4.2 Combo, MU-MIMO supported ^{(19a)(26)}
Sound	• 5.1 surround sound
Memory slots	• 2 DIMM (288-pin) (one available)
Expansion slots	• 1 PCI-E x16 (occupied) • 1 PCI-E x1 (available) • 2 M.2 (occupied)
Expansion bays	• HDD: 2 internal 3.5" (two available)
Memory card reader	• HP 3-in-1 Media Card Reader—Supports SD, SDHC, SDXC.
External ports	• Headphone/Microphone Combo • Front I/O: 4 SuperSpeed USB Type-A 5Gbps signaling rate, 1 SuperSpeed USB Type-C® 5Gbps signaling rate ⁽⁴²⁾ • Rear: 4 USB 2.0 Type-A • DVI-D • HDMI • DisplayPort™ ⁽⁵⁰⁾
Total USB ports	• 9 (4 SuperSpeed USB Type-A 5Gbps signaling rate, 4 USB 2.0 Type-A, 1 SuperSpeed USB Type-C® 5Gbps signaling rate) ⁽⁴²⁾
Multi-display capable	• DVI-D, DisplayPort and HDMI capabilities, NVIDIA® Surround™ multi-display technology, support for Microsoft® DirectX® 12 ⁽¹³⁾
Mouse and keyboard	• USB Black Wired keyboard and mouse combo
Power supply	• 400 W Platinum efficiency power supply
Dimensions	• Unpackaged: 12.09 in (L) x 6.12 in (W) x 13.28 in (H) approx. • Packaged: 19.65 in (L) x 15.75 in (W) x 11.30 in (H) approx.

Learn more at hp.com

⁽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 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.microsoft.com> ^(2a) 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. AMD's numbering is not a measurement of clock speed. AMD, Athlon, Radeon and Ryzen are trademarks of Advanced Micro Devices, Inc. ⁽³⁾ Up to 512MB of main system memory may be allocated to support video graphics. ⁽⁸⁾ 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. ⁽¹⁰⁾ Internet service required and not included. ⁽¹³⁾ NVIDIA, GeForce, Surround, and the NVIDIA logo are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. ⁽¹⁵⁾ Actual formatted capacity is less. Portion of internal storage is reserved for preloaded content. ^(19a) Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 5 (802.11ac) is backwards compatible with prior Wi-Fi 5 specs. ⁽²¹⁾ Internet access required and sold separately. VUDU charges apply. Available in US only. ⁽²²⁾ New Dropbox users are eligible to get 25 GB of Dropbox space free for 12 months from date of registration. For complete details and terms of use, including cancellation policies, visit the Dropbox website at www.dropbox.com. Internet service required and not included. ⁽²⁶⁾ Bluetooth® is a trademark owned by its proprietor and used by Hewlett-Packard Company under license. ^(27b) EPEAT® Bronze registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. Search keyword generator on HP's 3rd party option store for solar generator accessories at www.hp.com/go/options. ⁽²⁹⁾ Actual speeds may vary. ⁽⁴²⁾ USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum. ⁽⁴³⁾ Actual throughput may vary. ⁽⁵⁰⁾ DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. ⁽⁵³⁾ Call 1.800.474.6836 or www.support.hp.com for more information on Care Packs available after 90 days. After 90 days, an incident fee may apply. ⁽⁵⁶⁾ For more information visit <http://www.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. ^(58d) Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 7,200 rpm HDD. ⁽⁶²⁾ ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S. Environmental Protection Agency. ⁽⁶³⁾ 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 www.hp.com/go/carepack-services. ⁽⁶⁹⁾ 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 2019 HP Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing shall be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. All other trademarks are property of their respective owners. 04/21/2020_r3 jr

Weight	• Unpackaged: 13.14 lb approx. • Packaged: 18.08 lb approx.
Warranty and support	• 1-year limited hardware warranty. Additional information available at www.support.hp.com • 90 days limited technical support for software and initial setup (from date of purchase) ⁽⁵³⁾
Software	
HP help and support	• HP JumpStarts: Get access to great HP solutions and learn about valuable features that come with your new HP PC. • HP Support Assistant: Help with your HP PC and printers whenever you need it. ⁽⁵⁶⁾
Shopping and services	• VUDU: Rent, buy and watch HD movies and TV shows on demand. ⁽²¹⁾
Productivity and tools	• OMEN Command Center: Up your game with chassis lighting customization, System Vitals monitoring, and Network Booster with Dual Force functionality. • Dropbox cloud storage: Store and synchronize your content online with Dropbox. Get 25GB of storage for one year to access, manage, and share your photos, music, and files from anywhere with Internet access. ⁽²²⁾ • HP Connection Optimizer: Get consistent and reliable Wi-Fi performance with software that automatically switches between the most efficient wireless access points. ⁽¹⁰⁾
Security and protection	• McAfee LiveSafe™: Protect your operating system with a free 30-day McAfee LiveSafe™ trial. ⁽⁸⁾

Additional information

Product number	• 6YR56AA#ABA
Ad embargo date	• 06/28/2020
UPC code	• 194850095832
Country of origin	• China • Mexico
Tariff number	• 8471500000 (US PC)
Pallet information	• Dimensions: 47.24 in (L/D) x 39.37 in (W) x 84.21 in (H) approx. • Total weight: 790.68 lb approx. • Layers: 7 • Products per layer: 6 • Total products per pallet: 42

