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][58c]
- **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.[83]

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[15][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.

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

Learn more at **hp.com**