

OMEN by HP 45L Gaming Desktop GT22-3060 (B9HT7AA)



Extremely cool inside and out

Built for extreme performance, the OMEN 45L Gaming Desktop PC is designed for gaming from the ground up. Powered by the latest Intel® Processor,[1] the OMEN by HP gaming desktop takes cooling to incredible heights with a unique cooling chamber. Created for easy tool-less upgradeability with industry standard components to meet your gaming needs.



OMEN Cryo Chamber™

Enables the liquid cooler radiator to pull-in cold air from the surrounding environment to cool down the CPU.

Crafted for expansion

Easily upgrade and expand the memory, storage drives, and interior expansion slots to fit your gaming needs.

OMEN Gaming Hub

The OMEN Gaming Hub elevates everything from software enhancements, hardware controls, to live services.

Featuring



Designed for the world of hybrid work.

Designed for the world of hybrid work, Windows 11 Pro can help you work more simply and seamlessly from anywhere. [2]

Take on any game and tasks with performance built for anything powered by Intel® Core™ Ultra Processors.

Improved performance for both gaming and productivity with enhanced cooling, quieter operation, and faster speeds with Intel® Core™ Ultra Processors. [3]

1TB PCIe® Gen4 NVMe™ M.2 SSD

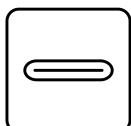
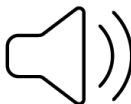
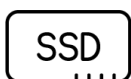
With high-speed data transfer, the 1 TB PCIe Gen4 NVMe M.2 SSD offers lightning fast speed and efficient storage. [4]

DTS: X® Ultra Technology

By producing authentic, spatially accurate 3D sound through any headset, this technology offers specially tuned audio modes for different game types to provide immersion for the best entertainment experience possible. [5]

USB Type-A 5Gbps signaling data rate

Plug in your external storage with this USB Type-A port, featuring 5Gbps signaling data rate. [6]



Specifications

Form Factor	microATX
Operating System Software	Windows 11 Pro
Product Color Description (fixed)	Black, glass side panel, dark chrome logo
Product Design	Paint coat
Processor Family	Intel® Core™ Ultra 7 processor
Processor Name	Intel® Core™ Ultra 7 265K (up to 5.5 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 20 cores, 20 threads) [6,7]
Chipset	Intel® Z890
Standard Memory Description 01	Kingston FURY 32 GB DDR5-6000 MT/s XMP RGB Heatsink (2 x 16 GB)
Memory Slots	4 DIMM
Hard Drive Description (01)	1 TB PCIe® Gen4 NVMe™ M.2 SSD
Graphics Card Segment 01	Integrated
GScardseg 01 Available Card 01	Intel® Graphics
Audio Features	5.1 surround sound; Omen Audio Control Support DTS:X® Ultra
Product Dimensions (metric)	20.4 x 47 x 55.5 cm
Product Dimensions (imperial)	8.03 x 18.5 x 21.85 in
Weight (metric)	22.6 kg
Weight (imperial)	49.82 lb
Package Dimensions (metric)	59.2 x 32.8 x 67.2 cm
Package Dimensions (imperial)	23.31 x 12.91 x 26.46 in
Package Weight (metric)	25.2 kg
Package Weight (imperial)	55.56 lb
Video Connectors	1 HDMI 2.1b; 3 DisplayPort™ 2.1b
External I/O Ports	2 USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 1 headphone/microphone combo; 1 microphone; 2 USB 2.0 Type-A (HP Sleep and Charge) [19,52]
Expansion Slots	1 PCIe x16; 1 PCIe x4; 3 M.2 (2 PCIe x4 for SSD, 1 for WLAN)
External I/O Ports 02	1 USB Type-C® 10Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate; 4 USB 2.0 Type-A; 1 3.5 mm audio jack; 1 RJ-45; 1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (DisplayPort™ 2.1)
Network Interface	Realtek RTL8125BGH-CG 10/100/1000/2500 GbE NIC
Wireless Technologies	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate) [11,12,46]
Power Supply Type	850 W 80 Plus Gold certified ATX 3.1 fully modular power supply
Sustainable Impact Specifications	Water based paint; Molded paper pulp cushion inside box is made of 100% recycled or certified sources; At least 10% post-consumer recycled plastic
Security Management	Chassis side cover lock
Software Included	McAfee Online Protection 30-day trial
Software - Productivity & Finance	1 month trial for new Microsoft 365 customers [24]
Cloud Service	100 GB Dropbox storage for 3 months [1]
UPC Number	198990739885

Top Recommended Displays, Accessories and Services

OMEN by HP Displays

OMEN by HP 27 inch QHD 240Hz Gaming Monitor - OMEN 27qs	780J4AA
OMEN by HP 27 inch FHD 240Hz Gaming Monitor - OMEN 27s	780G5AA
OMEN by HP 27 inch FHD 240Hz Gaming Monitor - OMEN 27s	780G6AA
OMEN by HP 31.5 inch QHD 165Hz Curved Gaming Monitor - OMEN 32c	780K6AA
OMEN by HP 31.5 inch QHD 165Hz Curved Gaming Monitor - OMEN 32c	780K7AA

HyperX Cloud Wireless Headset SC

HyperX Cloud III Wireless - Gaming Headset	77Z46AA
HyperX Cloud III Wireless - Gaming Headset	77Z45AA

HyperX Cloud Headsets SC

HyperX Cloud III - Gaming Headset (Black/Red)	727A9AA
---	---------

HyperX Cloud Earbuds SC

HyperX Cloud Earbuds II RED	705L8AA
HyperX Cloud Earbuds II Black	70N24AA

HyperX USB Microphones

HyperX QuadCast S - USB Microphone (Black-Grey) - RGB Lighting	4P5P7AA
HyperX QuadCast S - USB Microphone (White-Grey) - RGB Lighting	519P0AA

HyperX Pulsefire Haste Mice SC

HyperX Pulsefire Haste 2 - Wireless Gaming Mouse (Black)	6N0B0AA
HyperX Pulsefire Haste 2 - Wireless Gaming Mouse (White)	6N0A9AA
HyperX Pulsefire Haste 2 - Gaming Mouse (Black)	6N0A7AA

HyperX Alloy Origins Keyboards SC

HyperX Alloy Origins 60 - Mechanical Gaming Keyboard - HX Red (US Layout)	4P5N4AA
---	---------

HyperX Alloy Rise SC

HyperX Alloy Rise 75 - Gaming Keyboards	7G7A4AA
HyperX Alloy Rise - Gaming Keyboards	7G7A3AA

Messaging Footnotes

[1] 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.

[2] All other trademarks are the property of their respective owners. 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>.

[3] Intel and Core are trademarks of Intel Corporation in the U.S. and other countries.

[4] For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 35GB of system disk is reserved for system recovery software.

[5] Listening to personal stereo equipment at full volume for long periods can damage the user's hearing. To reduce the risk of hearing damage, lower the volume and amount of time listening at full volume.

[6] Actual throughput may vary.

Technical Specifications Footnotes

[1] 100 GB of free Dropbox storage for 3 months from date of registration. For complete details and terms of use, including cancellation policies, visit the Dropbox website at <https://www.dropbox.com/help/space/hp-promotion>. Internet service required and not included.

[6] 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.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

[11] Wi-Fi® supporting gigabit speeds is achievable when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160 MHz channels.

[12] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited.

[19] For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device.

[24] Must activate within 180 days of Windows activation.

[46] Bluetooth® 5.3 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.3 will function as Bluetooth® 5.2 or lower.

[52] Please make sure the USB Charging mode is enabled in the BIOS settings to activate the "HP Sleep and Charge" feature.

© Copyright 2026 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 herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel, Core, Optane, Celeron, Pentium, Iris, XMM, and Thunderbolt are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. AMD, Ryzen, Athlon, and Radeon are trademarks of Advanced Micro Devices, Inc. Qualcomm and Snapdragon are trademarks or registered trademarks of Qualcomm Technologies, Inc. and/or its subsidiaries. Bluetooth is a trademark owned by its proprietor and used by HP Inc. under license. NVIDIA and GeForce are trademarks and/or registered trademarks of NVIDIA Corporation in the U.S. and other countries. USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum. DisplayPort™ and the DisplayPort™ logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries. McAfee and McAfee LiveSafe are trademarks or registered trademarks of McAfee LLC in the United States and other countries. ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. All other trademarks are the property of their respective owners.

