



OMEN by HP 45L Gaming Desktop GT22-1069 Bundle PC (846R0AA)



Overview

Extremely cool inside and out

Built for extreme performance, the OMEN by HP 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.



OMEN Gaming Hub

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



Crafted for expansion

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

Features



Get a fresh perspective

Windows 11 provides a calm and creative space where you can pursue your passions through a fresh experience. 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.^[2]



Beyond Fast

NVIDIA® GeForce RTX™ 40 Series GPUs are beyond fast. Powered by the NVIDIA Ada Lovelace architecture which delivers a leap in both performance and AI-powered graphics. Experience lifelike virtual worlds with ray tracing and ultra-high FPS gaming.^[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]



Extend beyond performance to let your PC do even more at once

Going beyond just raw processor speed. With 13th Gen Intel® Core™ Processors, Intel advanced its hybrid design and made it even better. A faster performance core means getting dedicated tasks done faster and easier. More efficiency cores mean better multi-tasking. The same great graphics and best in-class connectivity means a fully immersive display and ultra-responsive wired and wireless connections.^[3]



PCIe NVMe™ M.2 SSD storage

Boot up in seconds with lightning fast speed with up to 1 TB PCIe NVMe™ M.2 SSD storage.



USB Type-A 5Gbps signaling data rate

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

[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] 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>.

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[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.

Specifications

Form factor	microATX
Operating system	Windows 11 Home
Product color	Black, glass side panel, dark chrome logo
Processor family	13th Generation Intel® Core™ i7 processor
Processor	Intel® Core™ i7-13700KF (up to 5.4 GHz with Intel® Turbo Boost Technology, 30 MB L3 cache, 16 cores, 24 threads) ^[6,7]
Chipset	Intel® Z790
Memory	Kingston FURY 32 GB DDR5-5200 MHz XMP RGB Heatsink RAM (2 x 16 GB)
Memory Slots	4 DIMM
Internal Storage	1 TB WD Black PCIe® NVMe™ M.2 SSD
Product design	Paint finish
Graphics	Integrated
Audio	5.1 surround sound; Omen Audio Control Support DTS:X® Ultra
Minimum dimensions (W x D x H)	20.4 x 47 x 55.5 cm
Minimum dimensions (W x D x H)	8.03 x 18.5 x 21.85 in
Weight	22.6 kg
Weight	49.82 lb
Keyboard	HP 225 Black Wired Keyboard and mouse combo
Video connectors	1 HDMI; 3 DisplayPort™
Ports	2 USB Type-A 5Gbps signaling rate (Battery Charging 1.2, HP Sleep and Charge); 2 USB 2.0 Type-A; 1 headphone/microphone combo; 1 microphone ^[19]
Expansion slots	1 PCIe x16; 1 PCIe x4; 3 M.2 (2 PCIe x4 for SSD, 1 for WLAN)
Ports	1 USB Type-C® 10Gbps signaling rate; 1 USB Type-C® 5Gbps signaling rate; 2 USB Type-A 10Gbps signaling rate; 2 USB Type-A 5Gbps signaling rate; 2 USB 2.0 Type-A; 1 audio-in; 1 audio-out; 1 microphone; 1 RJ-45
Package dimensions (W x D x H)	59.2 x 32.8 x 67.2 cm
Package weight	25.2 kg
Network interface	Integrated 10/100/1000 GbE LAN
Wireless	Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)
Ecolabels	EPEAT® registered
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Water based paint
Security management	Chassis side cover lock

Software included McAfee LiveSafe™

Software - Productivity & finance 1 month trial for new Microsoft 365 customers^[24]

Cloud service 25 GB Dropbox storage for 12 months^[1]

UPC number 197497486506

Additional specifications

Bluetooth version	Bluetooth® 5.3
Graphics	Discrete
Graphics (discrete)	NVIDIA® GeForce RTX™ 4080 (16 GB GDDR6X dedicated)
Graphics card brand	NVIDIA®
Graphics card family	GeForce
Graphics card memory size	16
Graphics card memory size uom	GB
Graphics card memory type	GDDR6X
I/O Port location	Front
I/O Port location	Rear
Keyboard color	black
Keyboard connectivity	wired
Maximum Memory	Supports up to 128 GB max system memory
Memory and storage	32 GB memory; 1 TB SSD storage
Memory layout (slots & size)	2 x 16 GB
Memory lighting	RGB
Memory module type	UDIMM
Memory profile technology	XMP
Memory size	32
Memory size uom	GB
Memory speed	5200
Memory speed uom	MHz
Memory type	DDR5
Model Number	RTX™ 4080
Number of memory slots	2
Package dimensions (W x D x H)	23.31 x 12.91 x 26.46 in
Package weight	55.56 lb
Processor Brand	Intel®
Processor cache	30 MB L3
Processor core	16
Processor family	Core™ i7
Processor frequency technology	Intel® Turbo Boost Technology
Processor generation	13th Generation

Processor maximum frequency	5.4
Processor maximum frequency uom	GHz
Processor model	13700KF
Processor threads	24
Product brand name	HP
Product long name specifications	OMEN by HP 45L Gaming Desktop GT22-1069 Bundle PC, Windows 11 Home, Intel® Core™ i7, 32GB RAM, 1TB SSD, NVIDIA® GeForce RTX™ 4080
Product long name specifications V2	Windows 11 Home, Intel® Core™ i7, 32GB RAM, 1TB SSD, NVIDIA® GeForce RTX™ 4080
Product short name specifications	OMEN by HP 45L Gaming Desktop GT22-1069 Bundle PC, Intel® Core™ i7, 32GB RAM, 1TB SSD
Storage capacity	1
Storage capacity uom 01	TB
Storage form factor 01	M.2
Storage interface 01	PCIe®
Storage interface protocol 01	NVMe™
Storage type	SSD
Storage type 01	SSD
System fans	3 x 120 mm aRGB front fans
UNSPSC code	43211507
Wireless Model	RTL8852BE
Wireless antenna	2x2
Wireless standard	Wi-Fi 6
Wireless supplier	Realtek
Wireless transfer speeds	Supporting Gigabit data rate

[1] 25 GB of free Dropbox storage for 12 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.

[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.

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