

OMEN 40L Desktop GT21-0200ng PC (687F5EA)



The power to elevate your game

The OMEN by HP 40L Gaming Desktop is the ultimate companion on your gaming journey. Powered by the latest AMD processor^[1] and advanced graphics, the OMEN Desktop has a superior cooling system that prevents overheating. Designed for easy tool-less upgradeability, the OMEN Desktop will give you the top-tier performance to meet your gaming needs.



Stay cool under pressure

All-around strategic placed fans prevent overheating even when your game heats up.

Tool-less design

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

AMD Ryzen™ 5000 Series Desktop Processor

Whether you are playing the latest games, designing the next skyscraper, or crunching scientific data, you need a powerful processor that can handle it all—and more. Hands down, the AMD Ryzen™ 5000 Series desktop processors set the bar for gamers and artists alike. ^[1]

NVIDIA® GeForce RTX™ 3070 Ti

The GeForce RTX™ 3070 Ti graphics card is powered by Ampere—NVIDIA's 2nd gen RTX architecture. Built with enhanced RT Cores and Tensor Cores, new streaming multiprocessors, and superfast G6X memory, it gives you the power you need to rip through the most demanding games. ^[2]

SuperSpeed USB Type-A 5Gbps signaling data rate

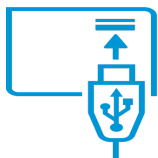
Plug in your external storage with this SuperSpeed USB Type-A port, featuring 5Gbps signaling data rate. ^[3]

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. ^[4]

Dual channel memory

With dual channel technology, two channels work simultaneously to double the communication speed between the memory controller and the RAM increasing system performance.



Specifications

Form factor	microATX
Operating system	FreeDOS
Product color	Black, glass side panel, dark chrome logo
Processor family	AMD Ryzen™ 9 processor
Processor	AMD Ryzen™ 9 5900X (up to 4.8 GHz max boost clock, 64 MB L3 cache, 12 cores, 24 threads) ^[6,7]
Chipset	AMD B550
Memory	HyperX 16 GB DDR4-3733 MHz XMP Heatsink RAM (2 x 8 GB)
Memory Slots	4 DIMM
Internal Storage	1 TB WD Black PCIe® NVMe™ TLC M.2 SSD
Product design	Paint finish top and side covers, tempered black glass front cover
Graphics	Discrete
Graphics (discrete)	NVIDIA® GeForce RTX™ 3070 Ti (8 GB GDDR6X dedicated)
Audio	5.1 surround sound; Omen Audio Control Support DTS:X® Ultra
Minimum dimensions (W x D x H)	20.4 x 47 x 46.7 cm
Weight	18.7 kg
Video connectors	1 HDMI; 3 DisplayPort™
Ports	2 SuperSpeed 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 for SSD, 1 for WLAN)
Ports	1 SuperSpeed USB Type-C® 10Gbps signaling rate; 1 SuperSpeed USB Type-C® 5Gbps signaling rate; 1 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed 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 58.2 cm
Package weight	19.28 kg
Network interface	Integrated 10/100/1000 GbE LAN
Wireless	Realtek Wi-Fi 6 (2x2) and Bluetooth® 5.2 combo (Supporting Gigabit data rate) ^[11,12,13,16]
Power supply type	600 W 80 Plus Gold efficiency certified ATX power supply
Special features	Liquid cooling solution for processor
Sustainable impact specifications	Water based paint
Security management	Kensington MicroSaver lock slot
UPC number	196548444205
Manufacturer Warranty	2 year (2/2/0) limited warranty includes 2 years of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

Top Recommended Displays, Accessories and Services

Mice

OMEN Vector Wireless Mouse	2B349AA
OMEN by HP Mouse Pad 300	1MY15AA

Keyboards

OMEN by HP Encoder Keyboard	6YW76AA
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Speakers

HP Gaming Speakers X1000	8PB07AA
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Headsets

HP X1000 Wireless Gaming Headset	7HC43AA
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PC Gaming Accessories

OMEN by HP Citadel Gaming Chair	6KY97AA
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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. AMD's numbering is not a measurement of clock speed.

[2] ©2022 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.

[3] Actual throughput may vary.

[4] Actual throughput may vary. USB Type-C® and USB-C® are trademarks of USB Implementers Forum.

Technical Specifications Footnotes

[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. AMD's numbering is not a measurement of clock speed.

[7] Max Boost clock frequency performance varies depending on hardware, software and overall system configuration.

[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.

[13] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other Wi-Fi 6 devices. Only available in countries where 802.11ax is supported.

[16] Wi-Fi 6 (802.11ax) is not supported in Ukraine, Russia, and Indonesia where Wi-Fi settings will be optimized to local regulatory requirements (802.11ac).

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

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