Datasheet

OMEN Desktop 880-131na

Ultra-powerful desktop designed for gamers

Going from average gamer to gaming legend takes power that doesn't call for reinforcements. The OMEN Desktop is geared with a cutting-edge design, the industry's latest hardware, and easy upgradability to crush the latest AAA titles, and give you the top-tier performance competition demands.



Geared for the end-game
Holding the objective takes relentless force. That's why the OMEN Desktop can wield dual NVIDIA® or AMD graphics and the latest Intel® or AMD processors[1], unlocked for overclocking[2] (on select models), so you can send opponents back to their respawn.

Stay cool under pressure
All-around edge vents, a 120mm front fan, and optional liquid cooling help ensure when you're on fire in-game, your desktop won't become a molten core. Top that off with a machine-like design and at-the-ready carrying handle, and it's game over.

Levels up with you
Soaring up the leaderboards takes a machine that climbs with you. The OMEN Desktop is geared for easy upgradability with a tool-less door for quick access and maintenance, and up to four 3.5" hard drive bays (on select models).

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[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. Numbering is not a measurement of clock speed. [2] Unlocked Intel® Core™ processors (K series) and unlocked AMD Ryzen processors on select skus only. Altering clock frequency and/or voltage may: (i) reduce system stability and useful life of the system, processor, and other system components; (ii) cause the processor and other system components to fail; (iii) cause reductions in system performance; (iv) cause additional heat or other damage; and (v) affect system data integrity. HP, Intel, and AMD have not tested, and do not warrant, the operation of the processor beyond its specifications. HP, Intel, and AMD have not tested, and do not warranty, the operation of other system components beyond their industry standard specifications. HP, Intel, and AMD assume no responsibility that the processor and other system components, including if used with altered clock frequencies and/or voltages, will be fit for any particular purpose.

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Featuring

Windows 10
Do great things confidently with the familiar feel of Windows - only better.[18]

Liquid cooling
Hassle-free thermal management quietly and efficiently draws heat away from high-performance processors, helping to protect sensitive components from heat overload.

Overclocking capability
Boost your gaming performance and other tasks with turbocharged processor speed.[19]

DTS Headphone: X technology
By producing authentic, spatially accurate 3D sound through any headphones or earbuds, this technology gives games, movies, and music a level of depth and immersion for the best entertainment experience possible.[20]

Tool-less access
Easily access and swap out any of the four external hard drives without even opening the chassis. And when you need to get inside the system, a double-sided screwdriver and replacement screws are included behind the OMEN logo.

Adheres to industry standards
With support for micro-ATX motherboard builds, your aftermarket parts fit and work in this galvanized steel chassis. And with an easy access angled design, and superb cable management, it's the ultimate DIY desktop.

Clear side panel
Gaming PC's are packed with some of the most powerful and coolest looking hardware on the market. This clear side panel lets your PC show off what's inside.

USB-C™
Power your device, transfer up to 10Gb/s of data, or connect to an external display all from just one reversible USB-C port. And it's reversible, so you never have to worry about plugging in upside down.[21,22]

Oculus ready
We've collaborated with Oculus to tune and test our machines for a smooth, seamless VR experience right out of the box.

[18] 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.
[19] Altering clock frequency and/or voltage may: (i) reduce system stability and useful life of the system, processor, and other system components; (ii) cause the processor and other system components to fail; (iii) cause reductions in system performance; (iv) cause additional heat or other damage; and (v) affect system data integrity. HP and Intel® have not tested, and does not warranty, the operation of the processor beyond its specifications. HP and Intel® have not tested, and do not warranty, the operation of other system components beyond their industry standard specifications. HP and Intel® assume no responsibility that the processor and other system components, including if used with altered clock frequencies and/or voltages, will be fit for any particular purpose.
[20] 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.
[21] Transfer rate may vary. All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

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Specifications

Performance

Operating System
Windows 10 Home 64
Processor
AMD Ryzen™ 5 2600 (3.4 GHz base frequency, up to 3.8 GHz burst frequency, 12 MB cache, 6 cores)
Processor family: AMD Ryzen™ 5 2600 6-Core processor
Chipset
AMD Promontory B350
Memory
8 GB DDR4-2666 SDRAM (2 x 4 GB); Total slots: 4 DIMM
Transfer rates up to 2666 MT/s.
Storage
1 TB 7200 rpm SATA
128 GB PCIe® NVMe™ M.2 SSD
DVD-Writer
Dropbox[1]
Graphics
Discrete: NVIDIA® GeForce® GTX 1050 (2 GB GDDR5 dedicated); Powered by NVIDIA® Pascal™ architecture
Audio
DTS Studio Sound™; DTS Headphone:X™
Display description
LCD monitors sold separately. For more information please visit www.hp.com/eur/home-monitors.
Power
300 W Bronze efficiency power supply

Connectivity

Network interface
Integrated 10/100/1000 Gigabit Ethernet LAN
Wireless connectivity
802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 M.2 combo
Ports
Top: 2 USB 3.0; 2 USB 3.0 Type-C™; 1 microphone jack; 1 headphone jack
Rear: 2 USB 2.0; 4 USB 3.0; 1 audio in; 1 audio out; 1 microphone in
HP 3-in-1 Media Card Reader
External Drive Bays: Two available
Internal Drive Bays: One occupied; One available
Video connectors
1 DVI; 1 HDMI; 1 DisplayPort™

Design

Product Color
Black

Software

HP Apps
HP Audio Switch; HP JumpStart
Software
Netflix; 1 month trial for new Microsoft® Office 365 customers
Service & support
McAfee LiveSafe™ [2]

Additional information

Part Number
P/N: 4DW63EA #ABU
UPC/EAN code: 193015106505
Energy Efficiency Compliance
ENERGY STAR® certified; EPEAT® Silver registered
Weight
17.6 kg; Packed: 19.2 kg
Dimensions
44.21 x 19.2 x 41.72 cm; Packed: 57.9 x 29.6 x 55.5 cm
Warranty
1 year limited parts, labour, and pickup and return service.; You can expand the warranty coverage of your product to reach up to 3 years in total; for more information go to the "Options and accessories" web section on hp.com product pages.
Features
Air cooling solution for processor

Recommended accessories*

* Not included.


HP Spectre Bluetooth® Mouse 500
1AM57AA


HP USB-C to Multi-port Hub
1BG94AA


HP USB Headset 500
1NC57AA

Warranty services*

3-year pickup and return
UC994E

[1] 25 GB of free online storage for 12 months from date of registration. For complete details and terms of use, including cancellation policies, visit the website at www.dropbox.com. Internet service required and not included. [2] McAfee LiveSafe 12-month free trial offer (Internet access required. First 12 months included. Subscription required for live updates afterwards.) [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. AMD and Radeon are trademarks of Advanced Micro Devices, Inc. [7] Burst frequency performance varies depending on hardware, software and overall system configuration.

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