OMEN Laptop 15-dc1024na

The best never rest

You've got places to go, plays to make, and power to proclaim. With the OMEN by HP 15 Laptop, you can play at your best from anywhere - without sacrificing performance. Keep moving and improving your skills on a compact, portable rig designed to deliver desktop-class graphics performance, total immersion, and easy upgradability.

Power designed to propel you forward
With NVIDIA® graphics, a high-performance Intel® Core™ processor[1], and an enhanced thermal solution - you've got the power to hone your skills anywhere.

Every last detail in your sight
Get lost in an immersive narrow bezel display with breathtaking resolution. A zoned backlit keyboard with 26-key rollover is strategically designed to accelerate your gaming reflexes.

Upgrade. Expand. Evolve.
The OMEN 15 Laptop is geared for easy upgrades and maintenance with single panel access to HDD, SSD, and RAM. Plus, take advantage of a generous port selection for your favorite accessories and external displays.

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Featuring

Windows 10
Do great things confidently with the familiar feel of Windows - only better.[2]

NVIDIA® GeForce® GTX 1660 Ti graphics
Breakthrough graphics performance powered by the ultra-speed GDDR6 technology, allowing you to stream and game smoothly with NVIDIA GeForce Experience and GameReady.

9th generation Intel® Core™ processor i7
Experience a breakthrough in processor performance that delivers incredible in-game experiences and enables crisp, simultaneous live-streaming. Edit and render pure 4K quality, and stream only the best content.[3]

144 Hz FHD anti-glare display
Reduce frustrating lag and image ghosting with a display that combines a 144 Hz refresh rate and a 1080p resolution for smooth, crisp gameplay.[5]

An exceptionally rich audio experience
With HP Dual Speakers, HP Audio Boost, and custom tuning by the experts at Bang & Olufsen, entertainment comes to life with sound you can feel. Awaken your senses with PC audio perfection.

Four-zone island-style backlit keyboard
Allows you to backlight 4 independent zones with different RGB lighting. WASD keys are outlined to highlight key controls. It's all easily controlled through the OMEN Command Center.

DDR4 RAM
Designed to run more efficiently and more reliably at faster speeds, DDR4 is the future of RAM. With its higher bandwidth, everything from multi-tasking to playing games gets a performance boost.

PCIe SSD storage
Available in capacities up to 512 GB, PCIe-based flash storage is up to 17x faster than a traditional 5400-rpm laptop hard drive.[6]

HP Wide Vision HD Camera
The 88-degree, wide-angle field of view lets you video chat with the entire family or group of friends in crystal clear detail.[7]

Wi-Fi 5 (2x2) & Bluetooth® 5.0
Never worry about spotty Internet and weak connections. Stay powerfully connected to Wi-Fi and to Bluetooth® accessories with the latest Wi-Fi 5 (2x2) WLAN adapter and Bluetooth® 5.0.[9]

MU-MIMO supported
If you have several MU-MIMO devices in your home, MU-MIMO support works in combination with a MU-MIMO router to maximize network traffic for a smoother online experience.

USB 3.1 connector
With the world's most popular USB connection, you can easily connect any of your existing USB devices and experience data transfer speeds ten times faster than USB 2.0.

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.

Single access panel
Quickly access your PC's internals with the large, single panel on the bottom of the laptop. Held on by only a few screws, it's easily removable for upgrading or maintenance.

OMEN power. Now streaming.
Now you can easily play PC games on your big screen TV with OMEN Game Stream—a free remote gaming service that lets you stream from your OMEN PC to other Windows 10 PCs.[20]

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Specifications

Performance

Operating system
Windows 10 Home 64

Processor
Intel® Core™ i7 9750H (2.6 GHz base frequency, up to 4.5 GHz base with Intel® Turbo Boost Technology, 12 MB cache, 6 cores)[6,7]
Processor family: 9th Generation Intel® Core™ i7 processor

Chipset
Intel® HM370

Memory
8 GB DDR4-2666 SDRAM (1 x 8 GB)
2 user-accessible memory slots; Transfer rates up to 2666 MT/s.

Storage
512 GB PCIe® NVMe™ M.2 SSD
Optical drive not included
Dropbox[1]

Graphics
Discrete: NVIDIA® GeForce® GTX 1660 Ti Graphics (6 GB GDDR6 dedicated) ;
Powered by NVIDIA Turing™ GPU architecture

Audio
Audio by Bang & Olufsen; DTS Headphone:X™ support; HP Audio Boost 2.0

Display
39.6 cm (15.6") diagonal FHD 144 Hz IPS anti-glare micro-edge WLED-backlit (1920 x 1080)

Screen-to-body ratio
80.37%

Power
200 W AC power adapter;

Battery type
4-cell, 70 Wh Li-ion polymer;
222 g;

Battery and Power
Up to 6 hours and 15 minutes[3];
Supports battery fast charge: approximately 50% in 45 minutes[5]

Maximum battery life video playback
Up to 4 hours and 30 minutes[10]

Connectivity

Network interface
Integrated 10/100/1000 GbE LAN

Wireless connectivity
Intel® Wireless-AC 9560 802.11b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo (Supporting Gigabit file transfer speeds) [11,12]
MU-MIMO supported; Miracast compatible

Ports
1 Thunderbolt™ 3 (40Gbps signaling rate) with SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.2, HP Sleep and Charge); 1 SuperSpeed USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 Mini DisplayPort™; 1 HDMI 2.0; 1 RJ-45; 1 AC smart pin; 1 headphone/microphone combo; 1 microphone
1 multi-format SD media card reader

Webcam
HP Wide Vision HD Camera with integrated dual array digital microphone

Design

Product color
Shadow black
Carbon fiber cover pattern, sandblasted hairline keyboard frame finish

Software

HP apps
OMEN Command Center; HP 3D DriveGuard; 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: 6RR67EA #ABU
UPC/EAN code: 193905138739

Energy efficiency compliance
ENERGY STAR® certified; EPEAT® Silver registered

Weight
2.47 kg;
Packed: 3.95 kg
Weight Note: Weight varies by configuration

Dimensions
36 x 26.3 x 2.6 cm;
Packed: 52 x 6.9 x 30.5 cm
Dimension Note: Dimensions vary by configuration

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.

Keyboard
Full-size island-style white legend 4-zone lighting RGB backlit keyboard with numeric keypad
Touchpad with multi-touch gesture support and 26-Key Rollover Anti-Ghosting Key technology

Security management
Kensington Security Slot™
Fingerprint reader not available

Sensors
Accelerometer

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Recommended accessories
* Not included.

OMEN by HP Mouse 600
1KF75AA

OMEN by HP Headset 800
1KF76AA

OMEN by HP Mouse Pad 100
1MY14AA

Warranty services*

3-year pickup and return
U4819E

Key Selling Points 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, the Intel Logo, Intel Inside, Intel Core, and Core Inside are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

Feature Messaging Footnotes

[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 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.
[3] 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 is not a measurement of higher performance. 4K content required to view full 4K images. System loading time and responsiveness dependent upon product configuration.
[5] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[6] Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD
[7] Features may require software or other 3rd party applications to provide the described functionality.
[9] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 5 (802.11ac) is backwards compatible with prior Wi-Fi 5 specs.
[20] Must activate a Game Stream account on your OMEN PC and download the OMEN Command Center app from the Microsoft Store onto another Windows 10 PC with these minimum requirements: OS: Windows 10 (Fall Creators Update or later), CPU: Intel® CoreTM i5 processor (5th Generation or later), GPU: Intel® HD 4000 / NVIDIA® 8000 series / AMD® 2000 series or better with latest graphics drivers, Memory: 4GB DDR3. Minimum upload and download speed of10 Mb/s at 5GHz is required.

Technical Specifications Footnotes

[1] 25 GB of free online storage for one year 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 30-day free trial offer (Internet access required. First 30 days included. Subscription required for live updates afterwards.)
[3] Windows 10 MobileMark 14 Battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See https://bapco.com/products/mobilemark-2014/ for additional details.
[5] Recharges your battery up to 50% within 45 minutes when the system is off (using "shut down" command). Recommended for use with the HP adapter provided with the notebook, not recommended with a smaller capacity battery charger. After charging has reached 50% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. Available on select HP products. See http://store.hp.com for a full list of product features.
[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 is not a measurement of higher performance. Intel, Pentium, Intel Core, Celeron, Intel logo and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries.
[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost/ for more information.
[10] Battery life tested by HP using continuous FHD video playback, 1080p (1920x1080) resolution, 150 nits brightness, system audio level at 17%, player audio level at 100%, played full-screen from local storage, headphone attached, wireless on but not connected. Actual battery life will vary depending on configuration and maximum capacity will naturally decrease with time and usage.
[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.

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