Datasheet

OMEN by HP Laptop 15-dc1001ur

Powerful. Portable. Nothing holds you back.

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 up to NVIDIA® GeForce® RTX 2070 graphics with Max-Q design[1], an 8th generation Intel® Core™ processor, 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 1080p[2] with 60 Hz or 144 Hz refresh rate, and NVIDIA® G-SYNC™ on select models[3]. 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.

[1] NVIDIA® Max-Q Design can help reduce system heat and noise in thinner form factor PC's. Form factor design and thickness of the system will vary. Overall graphics performance may be lower than alternative graphics solutions that do not utilize Max-Q design.
[2] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.
[3] See www.hp.com for available features.

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Featuring

Windows 10
Do great things confidently with the familiar feel of Windows - only better.[4]

8th Generation Intel® Core™ processor
Upgrade performance with smooth system responsiveness and fast load times for an exceptional PC experience. Supporting resolution up to stunning 4K, stream premium content, or even create your own.[5]

144Hz FHD anti-glare display
Reduce frustrating lag and image ghosting with a display that combines a 144Hz refresh rate, G-Sync support, and a 1080p resolution for smooth, crisp gameplay.[2]

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 options
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 256 GB, PCIe-based flash storage is up to 17x faster than a traditional 5400-rpm laptop hard drive.[6]

802.11 a/c (2x2) WLAN & Bluetooth® 5.0
Stay connected to Wi-Fi and to Bluetooth® accessories with wireless technology.[7]

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.

USB 3.0 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.

Mini DisplayPort
Get all the benefits of the robust DisplayPort on your most portable devices. Transmit audio and up to 4K video in stunning quality.[19]

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]

HDMI out
It's never been easier to give your device a bigger or second display. With HDMI output you can transmit HD video and sound with just one standard cable.

Ethernet port
When you have a spotty wireless connection, you can quickly plug in your Ethernet cable to get a smooth, wired Internet experience that bypasses any wireless issue.

[4] 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.
[5] 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.
[6] Based on HP internal testing using CrystalDiskMark benchmarking software. Performance is sequentially faster (read only) compared to traditional 5,400 rpm HDD
[7] Wireless access point and Internet service required. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the laptop to communicate with other 802.11ac WLAN devices. Bluetooth® is a trademark owned by its proprietor and used by HP Inc. under license.
[19] Transmit up to 4K video and audio.
[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.

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Specifications

Performance

Operating system
Windows 10 Home 64
Processor
Intel® Core™ i5-8300H (2.3 GHz base frequency, up to 4 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores)
Processor family: 8th Generation Intel® Core™ i5 processor [6,7]
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
1 TB 7200 rpm SATA
256 GB PCIe® NVMe™ M.2 SSD
Optical drive not included
Dropbox[1]
Graphics
Discrete: NVIDIA® GeForce® RTX 2060 Graphics (6 GB GDDR6 dedicated);
Audio
Bang & Olufsen, dual speakers, HP Audio Boost, DTS Headphone:X™ support
Display
39.6 cm (15.6") diagonal FHD 144 Hz IPS anti-glare micro-edge WLED-backlit (1920 x 1080)
Power
200 W AC power adapter;
Battery type
4-cell, 70 Wh Li-ion;
Supports battery fast charge: approximately 50% in 45 minutes [5]

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 (Gigabit Wi-Fi® speed) [4]
MU-MIMO supported; Miracast compatible
Ports
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 Audio Switch; HP CoolSense; HP JumpStart
Software
1 month trial for new Microsoft Office 365 customers
Service & support
McAfee LiveSafe™ [2]

Additional information

Part Number
P/N: 4UU62EA #ACB
UPC/EAN code: 193808192814
Energy efficiency compliance
ENERGY STAR® certified; EPEAT® Silver registered
Weight
2.4 kg;
Warranty
1 year limited parts, labour, and carry-in service; You can expand the warranty coverage of your product to reach up to 3 years in total; for more information, check with your HP reseller.
Keyboard
Full-size 4-zone lighting backlit keyboard with numeric keypad and NKRO
Touchpad with multi-touch gesture support
Security management
Kensington Security Slot™
Sensors
Accelerometer

Warranty services*

Care Pack
3-year return to depot
U4817E

[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 12-month free trial offer (Internet access required. First 12 months included. Subscription required for live updates afterwards.)
[4] Support for 802.11 ac feature are dependent on country regulations. The following countries restrict the use of 802.11ac: Russia, Ukraine, Belarus, Kazakhstan and Egypt. Actual speeds will be vary based on range, connections, size of network and other factors. Accessing the wireless network requires a Wifi-enabled device. Range will vary with site conditions.
[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 Envy, HP Omen and HP Pavilion models. 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.
[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost/ for more information.

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January 2019