Datasheet

HP Pavilion Notebook 17-ab303na

Powerful laptop built to handle your most demanding tasks

Get ready to unleash your inner content-creating, media-craving, game-crushing potential, because this Pavilion Laptop was built to handle everything you've got. With turbocharged performance you can go from immersive streaming sessions to lag-free photo editing, and do it all from wherever you want.



A creative powerhouse
Take on any activity from making digital art to conquering new worlds with advanced NVIDIA® GeForce® GTX™ 1050 graphics and the latest Intel® Core™ processor.[1]

Love what you see
Whether you're editing videos, watching your favorite movie, touching up photos or just playing games, every detail pops on the vibrant FHD[2] or optional 4K display[3] with IPS.

A truly powerful audio experience
With dual HP speakers, HP Audio Boost, and custom tuning by the experts at B&O PLAY, you can experience rich, authentic audio. Let the sound move you.

Expand your digital collection
With massive storage, now you can download all your content right onto your laptop. Take your favorite software and collection of movies, music, and photos with you wherever you go.

[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. [2] Full high-definition (FHD) content is required to view FHD images. [3] 4K content is required to view 4K images.

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Featuring

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

Choose your color
Personalize your PC with your choice of color, for style that matches yours.[19]

Anti-glare panel
Enjoy the sun and your favorite content with this anti-glare panel. Non-reflective and low gloss means you'll get less glare while you're outside.

HP Fast Charge
When your laptop is low on power, no one has time to wait hours to recharge. Power down your device and go from 0 to 50% charge in approximately 30 minutes.[20]

Audio by B&O PLAY
HP speakers, custom-tuned in collaboration with experts at Bang & Olufsen, deliver rich, authentic sound. Don't just listen – let the immersive experience move you.

HP Audio Boost
Take your audio experience to the next level with smart amplification technology giving you loud, clear and dynamic sound.

Full-size island-style keyboard with integrated numeric pad
The full-sized island-style keyboard with integrated numeric pad allows you to comfortably type and increase productivity with 1.5mm key travel.

HP Imagepad with multi-touch gesture
This true multi-touch touchpad supports four finger gestures and lets you scroll, zoom, and navigate with a simple touch.

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.[21]

HP Support Assistant
Included with your computer, this free self-help tool makes it easier than ever to get help with your HP PC and printers.[22,23]

Measurable Quality
Life can be unpredictable, but your HP laptop shouldn't be. Backed by over 200 individual tests, our laptops go through it all to deliver durability you can trust and reliability you can count on.

[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] Colors may vary by region.
[20] Recharges your battery up to 50% within 30 minutes when the system is off (using "shut down" command). Recommended for use with the HP adapter provided with the laptop, 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 Spectre 2-in-1 and HP x2 PC models. See http://store.hp.com for a full list of product features.
[21] Features may require software or other 3rd party applications to provide the described functionality.
[22] For more information visit http://www.hp.com/go/hpsupportassistant. (Link will vary outside of the U.S.) HP Support Assistant is only available on Windows-based PCs.
[23] Internet connection required for updating and connecting to HP Support.

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Specifications

Performance

Operating System
Windows 10 Home 64
Processor
Intel® Core™ i5-7300HQ (2.5 GHz base frequency, up to 3.5 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores)[6,7]
Processor family: 7th Generation Intel® Core™ i5 processor
Memory
8 GB DDR4-2400 SDRAM (1 x 8 GB)
Transfer rates up to 2400 MT/s.
Storage
1 TB 5400 rpm SATA
128 GB M.2 SSD
DVD-Writer
Dropbox[1]
Graphics
Discrete NVIDIA® GeForce® GTX 1050 Ti (4 GB GDDR5 dedicated)
Audio
B&O PLAY, dual speakers, HP Audio Boost
Display
43.9 cm (17.3") diagonal FHD IPS anti-glare WLED-backlit (1920 x 1080)
Power
150 W AC power adapter
Battery Type
6-cell, 62 Wh Li-ion
Supports battery fast charge: approximately 90% in 90 minutes[5]

Connectivity

Network interface
Integrated 10/100/1000 GbE LAN
Wireless connectivity
Intel® 802.11b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo (Miracast compatible)
Ports
2 USB 3.1; 1 USB 2.0; 1 HDMI; 1 RJ-45; 1 headphone/microphone combo
1 multi-format SD media card reader
Webcam
HP Wide Vision HD Camera with integrated dual array digital microphone

Design

Product Color
Shadow black cover and base, ghost white keyboard frame; Vertical brushing keyboard frame pattern

Software

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

Additional information

Part Number
P/N: 3DK08EA #ABU
UPC/EAN code: 192018854598
Energy Efficiency Compliance
ENERGY STAR® certified; EPEAT® Silver registered
Weight
2.85 kg
Dimensions
41.6 x 27.9 x 2.99 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.
Keyboard
Full-size island-style keyboard with numeric keypad
HP Imagepad with multi-touch gesture support
Security management
Kensington MicroSaver® lock slot
Sensors
Accelerometer

Compatible accessories*

* Not included.

Warranty services*

Care Pack
3-year pickup and return
U4819E

[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 30-day free trial offer (Internet access required. First 30 days included. Subscription required for live updates afterwards.)[3] Estimated Windows 10 battery life based on Windows 10 / MobileMark® 2014 benchmarking. 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 www.bapco.com for additional details.[5] Recharges your battery up to 90% within 90 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 90% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. Available on select HP Spectre, HP Envy, HP Omen and HP Pavilion PC 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. 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.

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