

Overview



- 1. Internal microphones (2)
- 2. IR emitters (2)

Front

- 3. Webcam
- 4. IR camera



Overview



Front/ right

- | | |
|--|-----------------------|
| 1. Touch or Non-Touch 12.5" diagonal display | 4. Glass ClickPad™ |
| 2. Wireless On/Off button | 5. Power button |
| 3. USB Type-C™ with Thunderbolt™ support (2) | 6. Collaboration keys |



Overview



Keyboard

- | | | | |
|----|-------------|----|--------------|
| 1. | Call answer | 5. | Speaker mute |
| 2. | Call end | 6. | Volume down |
| q | Calendar | 7. | Volume up |
| 4. | Mic mute | | |

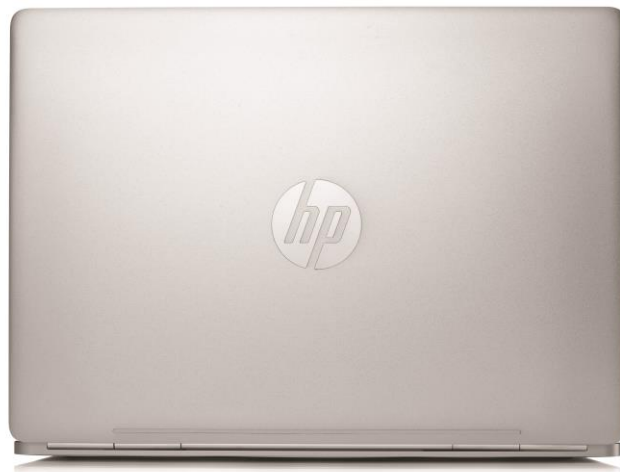
Overview



1. Headphone/microphone combo

Left

2. Diamond cut



Back



Overview

AT A GLANCE

- Preinstalled Windows 10 versions
- Choice of 6th Generation Intel® Core™ m processors
- All metal CNC Al chassis
- Passed 12 MIL STD 810G tests including the drop test¹
- Weight starting at 2.14 lbs (0.97 kg) for Non-Touch and Non-glass or 2.36 lbs (1.07 kg) for Touch
- Engage teams, clients, and vendors with the crystal-clear audio by Bang & Olufsen and the high-performance HP Premium Collaboration Keyboard
- Large ClickPad with gestures support
- Enhanced security features including an IR camera for face authentication with Windows Hello and TPM 2.0 Embedded Security Chip
- Choose from Touch or Non-Touch 12.5" diagonal displays
- 720p webcam, dual array microphones and four speakers for video audio and conferencing
- High-performance components and long battery life handle demanding applications
- Battery life up to 10 hours and 30 minutes (FHD Non-Touch)
- Stay productive with essential USB-C™ ports for charging mobile devices and more
- Choice of solid state drives up to 512 GB
- Wireless LAN (WLAN) to keep you connected

1. Testing was not intended to demonstrate fitness for Department of Defense contracts requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Damage under the MIL STD test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

NOTE: See important legal disclosures for all listed specs in their respective features sections.



Features

PRODUCT NAME

HP EliteBook Folio G1 Notebook PC

OPERATING SYSTEM

| | |
|-------------------------|---|
| Preinstalled | Windows 10 Pro 64 ¹ Windows 10 Home 64 ¹ |
| Web-only support | Windows 10 Enterprise 64 ¹ Windows 8.1 Enterprise 64 ² Windows 8.1 Pro 64 ² Windows 8.1 64 ² Windows 7 Enterprise 64 ² Windows 7 Professional 64 ² |

1. 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://http://www.microsoft.com>.
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. See <http://http://www.microsoft.com>.

PROCESSORS

- Intel® Core™ m7-6Y75 with Intel® HD Graphics 515 (1.2 GHz, up to 3.1 GHz with Intel® Turbo Boost Technology, 4 MB cache, 2 cores) ^{1,2}
- Intel® Core™ m5-6Y57 with Intel® HD Graphics 515 (1.1 GHz, up to 2.8 GHz with Intel® Turbo Boost Technology, 4 MB cache, 2 cores) ^{1,2}
- Intel® Core™ m5-6Y54 with Intel® HD Graphics 515 (1.1 GHz, up to 2.7 GHz with Intel® Turbo Boost Technology, 4 MB cache, 2 cores) ¹
- Intel® Core™ m3-6Y30 with Intel® HD Graphics 515 (900 MHz, up to 2.2 GHz with Intel® Turbo Boost Technology, 4 MB cache, 2 cores) ¹

1. Multicore 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.
2. Some vPro functionality of this technology, such as Intel® Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers. Microsoft Windows required.

CHIPSET

Integrated with processor

GRAPHICS

Integrated:



Features

Intel® HD¹ Graphics 515

1. HD content required to view HD images.

DISPLAY

Internal

Non-Touch

12.5" diagonal FHD IPS UWVA ultra slim LED-backlit (1920 x 1080)¹

12.5" diagonal FHD IPS UWVA anti-glare ultra slim LED-backlit (1920 x 1080) Light weight¹

Touch

12.5" diagonal FHD IPS UWVA ultra slim LED-backlit (1920 x 1080) Touch¹

12.5" diagonal UHD IPS UWVA ultra-slim LED-backlit (3840 x 2160) Touch¹

Optional Docking Solutions

HP Elite Thunderbolt 3 Dock²

HP Executive Travel Hub²

1. HD content required to view HD images.
2. Sold separately or as an optional feature.

NOTE: Resolutions are dependent upon monitor capability, and resolution and color depth settings.

STORAGE AND DRIVES

Primary Storage Bay

Supports M.2 SS 2280 Solid State Drives

Solid State Drive¹

128 GB SATA-3 TLC SSD

512 GB SATA-3 TLC SSD

240 GB SATA-3 MLC SSD

256 GB PCIe Gen3x4 NVMe MLC SSD

256 GB SATA-3 MLC (Opal 2) SSD

1. For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 7 and 10) is reserved for system recovery software.

MEMORY

Standard

Memory soldered down

Supports Dual Channel Memory

LPDDR3 1866 (Transfer rates up to 1866 MT/s.)

8 GB LPDDR3-1866 SDRAM¹

Maximum

8 GB

1. Internal component upgrades to memory are not available after factory configuration.



Features

NETWORKING/COMMUNICATIONS

Wireless LAN (WLAN)¹

Intel® 8260 802.11a/b/g/n/ac (2x2) and Bluetooth® 4.2 Combo

1. 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 notebook to communicate with other 802.11ac WLAN devices.

NOTE: Internal component upgrades to connectivity are not available after factory configuration.

AUDIO/MULTIMEDIA

Audio

Audio by Bang & Olufsen

Integrated dual-microphone array

4 Integrated premium stereo speakers

Webcam

720p HD webcam ¹

1. HD content required to view HD images.

KEYBOARDS/POINTING DEVICES & FUNCTION KEYS

Keyboard

Backlit

DuraKeys

Pointing Device

Glass ClickPad

Taps enabled as default

Gestures enabled by default

On/Off LED

Buttons and Function Keys

F1 - Call Answer

F2 - Call Decline / End

F3 - Calendar

F4 - Mic mute

F5 - Speaker Mute

F6 - Vol Down

F7 - Vol Up

F8 - Display Switch

F9 - Backlight Keyboard

F10 - Bright Down

F11 - Bright Up



Features

F12 - Wireless On/Off

SOFTWARE AND SECURITY

Preinstalled Software with Windows Operating System

BIOS

HP BIOSphere¹
HP Sure Start with Dynamic Protection
HP DriveLock | HP Automatic DriveLock
HP BIOS Protection²
BIOS Update via Network
Master Boot Record Security
Power On Authentication
HP SpareKey¹⁵
Pre-Boot Security
Secure Erase³
Hybrid Boot
Measure Boot
Secure Boot
Pre-boot Authentication

Multi Media

Cyberlink Power DVD, BD
Cyberlink Power2Go (Secure Burn)

Communication

HP Mobile Connect Pro (Windows 10 only)⁶
Intel® Wireless Display (WiDi) Software for Windows⁷
Native Miracast Support⁸

HP Value Add Software

HP ePrint Driver⁹
HP Hotkey
HP Recovery Manager
HP Recovery Disc Creator
HP Support Assistant
HP Noise Reduction Software

3rd Party

Microsoft Products

Buy Office
Bing Search



Features

Skype for Business certified¹⁰

Manageability

HP Driver Packs¹¹

HP SoftPaq Download Manager (SDM)

HP System Software Manager (SSM)¹¹

HP BIOS Config Utility (BCU)¹¹

HP Client Catalog¹¹

HP CIK for Microsoft SCCM¹¹

HP Image Assistant¹¹

LANDESK Management¹²

For more information on HP Client Management Solutions refer to: <http://www.hp.com/go/clientmanagement>.

Client Security Software

HP Drive Encryption¹³

HP Client Security

- HP Security Manager (including Credential Manager and Password Manager)
- HP Drive Lock
- HP Fingerprint Sensor
- HP Password Manager
- Power On Authentication

Microsoft Defender¹⁴

Security

IR camera for face authentication with Windows Hello

1:100,000 False Accept Rate

TPM 2.0 (Infineon, soldered down)

- Common criteria EAL4+ certified

1. Available only on business PCs with HP BIOS.
2. May require a manual recovery step if all copies of BIOS are compromised or deleted
3. For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88.
4. Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: <http://www.absolute.com/company/legal/agreements/> computrace-agreement. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.
5. GPS access requires an unobstructed path to multiple satellites. Performance may be affected if/when used inside of buildings, bridges or heavily congested metropolitan areas. Requires separately purchased GPS navigation software available from multiple GPS applications.
6. HP Mobile Connect Pro is only available on preconfigured devices with WWAN. For geographic availability refer to <http://www.hp.com/go/mobileconnect>



Features

- 7 Integrated Intel Wi-Di feature is available on select configurations only and requires separately purchased projector, TV or computer monitor with an integrated or external Wi-Di receiver. External Wi-Di receivers connect to the projector, TV or computer monitor via a standard HDMI cable, also sold separately.
8. Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming media players that also support Miracast. You can use Miracast to share what you're doing on your PC and present a slide show. For more information: <http://windows.microsoft.com/en-us/windows-8/project-wireless-screen-miracast>
9. Requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see <http://www.hp.com/go/eprintcenter>). Requires optional broadband module. Broadband use requires separately purchased service contract. Check with service provider for coverage and availability in your area. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary.
10. Skype is not offered in China.
11. Not preinstalled, however available for download at hp.com/go/clientmanagement
12. Subscription required.
13. Data is protected prior to Drive Encryption login. Turning the PC off or into hibernate logs out of Drive Encryption and prevents data access.
14. Opt in and internet connection required for updates.
- 15.. Requires initial user set up

POWER

Power Supply

HP 45 W Smart USB Type-C™ AC adapter
Power cord included is 1.8 m (+/- 0.1 m) or 1.0 m (+/- 0.1 m).

Primary Battery

HP Long Life 4-cell, 38 WHr Li-ion polymer

NOTE: Battery is internal and not replaceable by customer.

Battery Life

Up to 10 hours and 30 minutes (FHD Non-Touch)¹
Up to 7 hours (UHD Touch)¹

System Standby Time

TBD

1. Windows 10/MM14 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 <http://www.bapco.com> for additional details.

WEIGHTS & DIMENSIONS

Weight

Non-Touch

Starting at 2.14 lbs (0.97 kg)¹
(Lightest panel, 38 WHr battery, 8 GB, 128 GB SSD, RGB Camera, WLAN + Bluetooth®)

Touch

Starting at 2.36 lbs (1.07 kg)¹
(Lightest panel (with touch), 38 WHr battery, 8 GB, 128 GB SSD, RGB Camera, WLAN + Bluetooth®)

Dimensions (w x d x h)

Non-Touch



Features

11.5 x 8.23 x 0.49 in²
29.2 x 20.9 x 1.24 cm²

Touch

11.5 x 8.23 x 0.49 in²
29.2 x 20.9 x 1.24 cm²

1. Weight varies by configuration and components.
2. Height varies depending upon where on the notebook the measurement is made.

PORTS/SLOTS

Ports

- (2) USB Type-C™ ports with Thunderbolt™ support (docking, charging and USB 3.1)
- (1) Headphone / Microphone combo jack
- (1) Power connector
- (1) Ethernet via accessory dongle (optional)¹

1. Sold separately or as an optional feature.

SERVICE AND SUPPORT

HP Services offers 3-year, 1-year and 90 day limited warranty options depending on country. Batteries have a default one year limited warranty except for Long Life batteries which will have same 1-year or 3-year limited warranty as the platform. On-site service and extended coverage is also available. HP Care Pack Services^{1,2} are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: <http://www.hp.com/go/cpc>.

1. Sold separately or as an optional feature.
2. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. Consult the HP Customer Support Center for details. <http://h20000.www2.hp.com/bizsupport/TechSupport/ProductRoot.jsp>



Technical Specifications

NETWORKING/COMMUNICATIONS

Intel® 802.11a/b/g/n/ac (2x2) and Bluetooth® 4.2 Combo

| | |
|-------------------------------|--|
| Wireless LAN Standards | <ul style="list-style-type: none"> IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n IEEE 802.11ac |
| Interoperability | Wi-Fi certified |
| Frequency Band | 802.11b/g/n <ul style="list-style-type: none"> • 2.402 – 2.482 GHz Note: The FCC has declared as of January 1, 2015 products that utilize passive scanning on channel 12/13 and are capable of transmitting must fully comply with requirements of 15.247 or otherwise disable those channels. |
| | 802.11a/n <ul style="list-style-type: none"> • 4.9 – 4.95 GHz (Japan) • 5.15 – 5.25 GHz • 5.25 – 5.35 GHz • 5.47 – 5.725 GHz • 5.825 – 5.850 GHz Note: Indonesia no support this band) |
| Data Rates | <ul style="list-style-type: none"> • 802.11b: 1, 2, 5.5, 11 Mbps • 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 802.11n: MCS 0 ~ MCS 15, (20MHz, and 40MHz) • 802.11ac : MCS0 ~ MCS9, (1SS, and 2SS) (20MHz, 40MHz, and 80MHz) |
| Modulation | Direct Sequence Spread Spectrum BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM |
| Security¹ | <ul style="list-style-type: none"> • IEEE and WiFi compliant 64 / 128 bit WEP encryption for a/b/g mode only • AES-CCMP: 128 bit in hardware • 802.1x authentication • WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES. • WPA2 certification • IEEE 802.11i |



Technical Specifications

| | |
|---|--|
| | <ul style="list-style-type: none"> • Cisco Certified Extensions, all versions through CCX4 and CCX Lite • WAPI |
| Network Architecture Models | Ad-hoc (Peer to Peer) Infrastructure (Access Point Required) |
| Roaming | IEEE 802.11 compliant roaming between access points |
| Output Power² | <ul style="list-style-type: none"> • 802.11b : +16dBm minimum • 802.11g : +14dBm minimum • 802.11a : +14dBm minimum • 802.11n HT20(2.4GHz) : +14dBm minimum • 802.11n HT40(2.4GHz) : +12dBm minimum • 802.11n HT20(5GHz) : +14dBm minimum • 802.11n HT40(5GHz) : +12dBm minimum |
| Power Consumption | Transmit: 2.0 W (max) Receive: 1.6 W (max) Idle mode (PSP): 180 mW (WLAN Associated) Idle mode: 50 mW (WLAN unassociated) Connect Standby: 10 mW (WLAN+BT) Radio disabled: 5 mW |
| Power Management | ACPI and PCI Express compliant power management 802.11 compliant power saving mode |
| Receiver Sensitivity³ | 802.11b, 1Mbps : -94dBm maximum 802.11b, 11Mbps : -86dBm maximum 802.11g, 6Mbps : -88dBm maximum 802.11g, 54Mbps : -74dBm maximum 802.11a, 6Mbps : -88dBm maximum 802.11a, 54Mbps : -74dBm maximum 802.11n, MCS07 : -69dBm maximum |



Technical Specifications

| | |
|--------------------------|---|
| | 802.11n, MCS15 : -66dBm maximum |
| | 802.11ac, 1SS, MCS-0 : -86dBm maximum |
| | 802.11ac, 1SS, MCS-9 : -61dBm maximum |
| | 802.11ac, 2SS, MCS-0 : -83dBm maximum |
| | 802.11ac, 2SS, MCS-9 : -58dBm maximum |
| Antenna type | High efficiency antenna with spatial diversity, mounted in the display enclosure |
| | Two embedded dual band 2.4/5 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications |
| Form Factor | PCI-Express M.2 MiniCard |
| Dimensions | Type 2230 : 2.3 x 22.0 x 30.0 mm |
| | Or |
| | Type 1630 : 2.3 x 16.0 x 30.0 mm |
| Weight | Type 2230 : 2.8g |
| | Or |
| | Type 1630 : 2g |
| Operating Voltage | 3.3v +/- 9% |
| Temperature | Operating 14° to 158° F (-10° to 70° C) Non-operating -40° to 176° F (-40° to 80° C) |
| Humidity | Operating 10% to 90% (non-condensing) Non-operating 5% to 95% (non-condensing) |
| Altitude | Operating 0 to 10,000 ft (3,048 m) Non-operating 0 to 50,000 ft (15,240 m) |
| LED Activity | LED Amber – Radio OFF; LED White – Radio ON |

1. Check latest software/driver release for updates on supported security features.
2. Maximum output power may vary by country according to local regulations.
3. Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).

HP Integrated Module with Bluetooth 4.0/4.1/4.2 Wireless Technology

Bluetooth Specification 4.0/4.1/4.2 Compliant



Technical Specifications

| Frequency Band | 2402 to 2480 MHz | | | | | | | | | | | | |
|-------------------------------------|---|------------|-----------|------------|------|---------|---------|----------------|---------|---------|-------|---------|---------|
| Number of Available Channels | Legacy : 0~79 (1 MHz/CH) BLE : 0~39 (2 MHz/CH) | | | | | | | | | | | | |
| Data Rates and Throughput | Legacy : 3 Mbps data rate; throughput up to 2.17 Mbps BLE : 1 Mbps data rate; throughput up to 0.2 Mbps Legacy : Synchronous Connection Oriented links up to 3, 64 kbps, voice channels Legacy : Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric (3-DH5) or 864 kbps symmetric (3-EV5) | | | | | | | | | | | | |
| Transmit Power | The Bluetooth component shall operate as a Class II Bluetooth device with a maximum transmit power of + 4 dBm for BR and EDR. | | | | | | | | | | | | |
| Receiver Sensitivity | <table border="1"> <thead> <tr> <th>Modulation</th> <th>0.01% BER</th> <th>0.001% BER</th> </tr> </thead> <tbody> <tr> <td>GFSK</td> <td>-80 dBm</td> <td>-70 dBm</td> </tr> <tr> <td>$\pi/4$-DQPSK</td> <td>-80 dBm</td> <td>-70 dBm</td> </tr> <tr> <td>8DPSK</td> <td>-80 dBm</td> <td>-70 dBm</td> </tr> </tbody> </table> | Modulation | 0.01% BER | 0.001% BER | GFSK | -80 dBm | -70 dBm | $\pi/4$ -DQPSK | -80 dBm | -70 dBm | 8DPSK | -80 dBm | -70 dBm |
| Modulation | 0.01% BER | 0.001% BER | | | | | | | | | | | |
| GFSK | -80 dBm | -70 dBm | | | | | | | | | | | |
| $\pi/4$ -DQPSK | -80 dBm | -70 dBm | | | | | | | | | | | |
| 8DPSK | -80 dBm | -70 dBm | | | | | | | | | | | |
| Legacy | | | | | | | | | | | | | |
| Power Consumption | Peak (Tx) 330 mW Peak (Rx) 230 mW Selective Suspend 17 mW | | | | | | | | | | | | |
| Range | Legacy Up to 33 ft (10 m) BLE Up to 99 ft (30 m) | | | | | | | | | | | | |
| Electrical Interface | USB 2.0 compliant | | | | | | | | | | | | |
| Bluetooth Software Supported | Microsoft Windows Bluetooth Software | | | | | | | | | | | | |
| Link Topology | | | | | | | | | | | | | |
| Electrical Interface | Point to Point, Multipoint Pico Nets up to 7 slaves | | | | | | | | | | | | |
| Bluetooth Software Supported | Full support of Bluetooth Security Provisions | | | | | | | | | | | | |
| Security | | | | | | | | | | | | | |



Technical Specifications

| | |
|--|---|
| Power Management | Microsoft Windows ACPI, and USB Bus Support |
| Certifications | Self-configurable to optimize power conservation in all operating modes, including Standby, Hold, Park, and Sniff |
| Security | All necessary regulatory approvals for supported countries, including: |
| Certifications | FCC (47 CFR) Part 15C, Section 15.247 & 15.249 |
| Bluetooth Profiles Supported | |
| Power Management | ETS 300 328, ETS 300 826 |
| Certifications | Low Voltage Directive IEC950 |
| | UL, CSA, and CE Mark |
| | Serial Port Profile (SPP) ¹ |
| | Service Discovery Application Profile (SDAP) |
| | Dial-Up Networking (DUN) ^{1,2} |
| | Generic Object Exchange Profile (GOEP) ^{1,2} |
| | Object Push Profile (OPP) ^{1,2} |
| Certifications | Hard Copy Cable Replacement (HCRP) ^{1,2} |
| | Personal Area Networking Profile (PAN) ^{1,2} |
| Bluetooth Profiles Supported | Human Interface Device Profile (HID) ^{1,2} |
| | Hands Free Profile (HFP) |
| | Advanced Audio Distribution Profile (A2DP) |
| | Audio Video Remote Control Profile (AVRCP) |
| Bluetooth V4.1/V4.2 support feature | V4.1: ESR5/6/7 compliant |
| | V4.2: ESR8 compliant, LE Secure Connection – Basic. |

ENVIRONMENTAL



Technical Specifications

Eco-Label Certifications & declarations This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks:

- IT ECO declaration
- US ENERGY STAR®
- EPEAT® 2019 Silver in U.S Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit <http://www.epeat.net> for more information.

System Configuration The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a “Typically Configured Notebook”.

Energy Consumption (in accordance with US ENERGY STAR® test method)

| | 115VAC, 60Hz | 230VAC, 50Hz | 100VAC, 60Hz |
|-------------------------------|--------------|--------------|--------------|
| Normal Operation (Short idle) | 6.29 W | 7.26 W | 6.53 W |
| Normal Operation (Long idle) | 1.93 W | 2.01 W | 2.07 W |
| Sleep | 0.79 W | 0.84 W | 0.8 W |
| Off | 0.38 W | 0.42 W | 0.38 W |

Note:

Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the model family. HP computers marked with the ENERGY STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specifications for computers. If a model family does not offer ENERGY STAR® compliant configurations, then energy efficiency data listed is for a typically configured PC featuring a hard disk drive, a high efficiency power supply, and a Microsoft Windows® operating system.

| Heat Dissipation* | 115VAC, 60Hz | 230VAC, 50Hz | 100VAC, 60Hz |
|-------------------------------|--------------|--------------|--------------|
| Normal Operation (Short idle) | 21 BTU/hr | 25 BTU/hr | 22 BTU/hr |
| Normal Operation (Long idle) | 6 BTU/hr | 7 BTU/hr | 7 BTU/hr |
| Sleep | 3 BTU/hr | 3 BTU/hr | 3 BTU/hr |



Technical Specifications

Additional Information

- This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC.
- This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC.
- This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).
- This product is in compliance with the IEEE 1680.1 (EPEAT) standard at the <Silver> level, see www.epeat.net
- Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043.
- This product contains 0% post-consumer recycled plastic (by wt.)
- This product is 98.5% recycle-able when properly disposed of at end of life.

Packaging Materials

| | | |
|------------------|-----------------------------------|---------|
| External: | PAPER/Corrugated | 329.5 g |
| Internal: | PLASTIC/Polyethylene low density | 14.5 g |
| | PLASTIC/EPE-Expanded Polyethylene | 19 g |

The plastic packaging material contains 50% recycled content.

The corrugated paper packaging materials contains at least 70% recycled content.

Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at

<http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/gse.pdf>):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants – may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)



Technical Specifications

Packaging Usage

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

End-of-life Management and Recycling

Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: <http://www.hp.com/go/reuse-recycle> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: <http://www.hp.com/go/recyclers>. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.

Hewlett-Packard Corporate Environmental Information

For more information about HP's commitment to the environment:

Global Citizenship Report

<http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html>

Eco-label certifications

<http://www8.hp.com/us/en/hp-information/environment/ecolabels.html>

ISO 14001 certificates:

http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/PC_GBU_Product_Design_ISO_14K_Certificate.pdf

and

<http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf>

COUNTRY OF ORIGIN

China



Options and Accessories (Sold separately and availability may vary by country.)

| Type | Description | Part number |
|-----------------|----------------------------------|-------------|
| Cases | HP Business Slim Top Load | H5M91AA |
| | HP Business Backpack | H5M90AA |
| Docking | HP Elite Thunderbolt 3 Dock | P5Q54AA#xxx |
| | HP USB-C Travel Dock | T0K29AA#xxx |
| | HP Display and Notebook Stand II | E8G00AA#xxx |
| | HP Elite USB-C Docking Station | T3V74AA |
| Mice | HP Touch To Pair Mouse | H6E52AA |
| | HP Slim Bluetooth Mouse | F3J92AA |
| | HP Ultrathin Wireless Mouse | L9V78AA |
| Adapter | USB-C to USB 3.0 | N2Z63AA |
| | USB-C to 4.5mm | N2Z65AA |
| | HP USB-C to RJ45 Adapter | V7W66AA |
| | HP USB-C to HDMI Adapter | N9K77AA |
| | HP USB-C to DisplayPort Adapter | N9K78AA |
| | HP USB Type-C™ to VGA Adapter | N9K76AA |
| | HP 45W USB Type-C™ AC Adapter | V5Y26AA |
| Displays | HP EliteDisplay S270c | K1M38AA |
| | HP EliteDisplay E272q | M1P04AA |
| | HP EliteDisplay E240c | M1P00AA |
| | HP EliteDisplay S140u | G8R65AA |



Summary of Changes

| Date of change: | Version History: | Description of change: |
|------------------------|-------------------------|--|
| February 11, 2016 | Version 1 to 2 | Updated Overview page 4 |
| February 22, 2016 | V2 to V3 | Updated the details of the Non-Touch weight page 11 |
| March 4, 2016 | V3 to v4 | IR Camera |
| March 15, 2016 | V4 to v5 | Environmental info |
| March 22, 2016 | V5 to v6 | Deleted HP USB-C to VGA Adapter N9K75AA |
| April 5, 2016 | V6 to v7 | Updated weight, battery life, added IPS to display description, Skype, and TPM; image callouts, software |
| May 4, 2016 | V7 to v8 | Deleted Win 7 |
| June 17, 2016 | V8 to v9 | Updated battery life |
| October 28, 2016 | V9 to v10 | Accessories updated. |
| November 7, 2017 | V10 to v11 | Footnote added to Primary battery on Power section. |
| June 4, 2019 | V11 to v12 | Updated EPEAT |
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