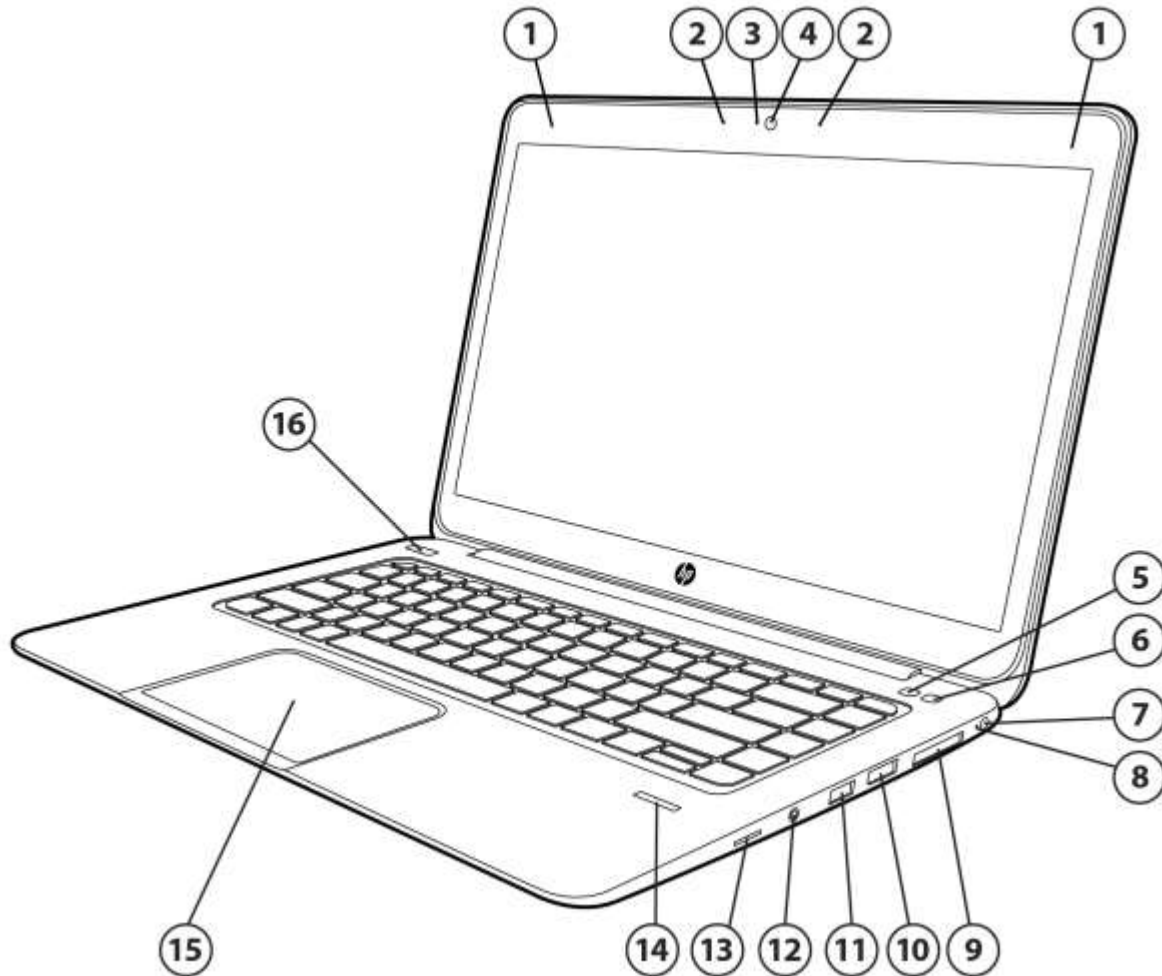


Overview

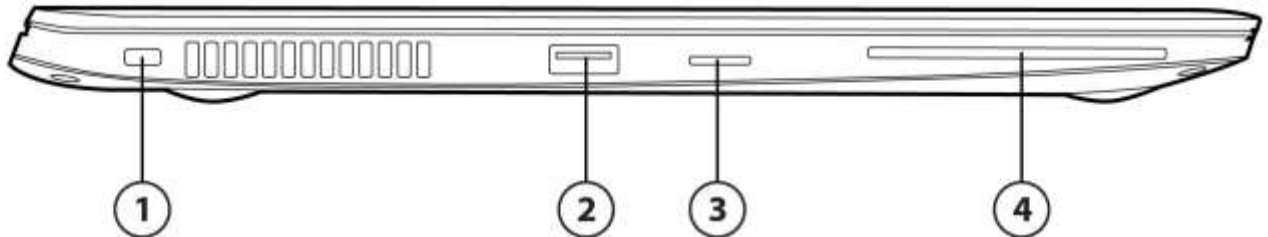
HP EliteBook Folio 1040 G2 Notebook PC



1. WLAN antennas (2)
2. Dual-microphone array
3. Webcam light (only with optional webcam)
4. Optional 720p HD webcam
5. Wireless on/off button with LED indicator
6. Speaker mute button with LED indicator
7. Power connector
8. Power LED indicator
9. Docking connector
10. DisplayPort 1.2
11. USB 3.0 charging port
12. Headphone/microphone combo
13. WWAN SIM with plug (Plug is removable only for units with optional WWAN)
14. Fingerprint reader (select models only)
15. ForcePad™
16. Power button

Overview

Left
View



- | | |
|--------------------------|-----------------------|
| 1. Security lock | 3. Micro-SD card slot |
| 2. USB 3.0 charging port | 4. Smart Card Reader |

At A Glance

- Weight starting at 3.32 lbs/1.51 kg and height of 15.9 mm (17.1 mm with touchscreen)
- Magnesium and aluminum alloy chassis, wear-resistant “meteorite” HP DuraFinish, HP DisplaySafe frame, HP DuraKeys high durability keyboard finish, aluminum alloy keyboard deck, precision aluminum drop hinge
- Ensured durability through MIL-SPEC 810G testing, plus an additional 115,000 hours of reliability testing through HP's Total Test Process
- Choice of 5th Generation Intel® Core™ i5, i7 Processors with integrated Intel® HD Graphics
- Supports a broad range of wireless LAN and wireless WAN options, including 4G LTE, for connectivity on the go. Bluetooth®, NFC, and wireless display technologies such as WiDi and Miracast are also supported
- Integrated docking connector and optional HP Ultralim Docking Station provide quick transition to a desktop setting
- Enhanced security features including HP Sure Start self-healing BIOS, HP Client Security, HP BIOSphere, and hardware security options like an HP Fingerprint Reader, optional VPro and integrated smart card reader
- Full-sized spill-resistant backlit keyboard with drain keeps you productive in low-light settings
- ForcePad™ pressure-sensing Touchpad responds to a tap or light pressure to support and enhance both basic and advanced touch gestures.
- 14.0-inch diagonal FHD (1920x1080) Touch or Non Touch Displays; HD+ (1600 x900) Non Touch Display
- 6-cell (42 WHr) HP Long Life battery for battery life up to 10 hrs 15 minutes
- Up to 512 GB Solid State Drives
- Up to 8 GB total system memory
- DisplayPort 1.2 for high resolution digital video support
- Optional HD webcam with dual-microphone array for video conferencing
- HD Audio with DTS Studio Sound™ optimized for high fidelity audio during video conferencing and web-based training
- Windows 10 versions, Windows 8.1 versions, Windows 7 versions, FreeDOS 2.0 and Ubuntu
- HP Premier Image with Microsoft Security Essentials and without trialware
- Meets military standards 810G testing* for drop, vibration, functional shock, dust, altitude, and high and low temperature*.

Overview

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

* 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.

Technical Specifications

PRODUCT NAME

HP EliteBook Folio 1040 G2 Notebook PC

OPERATING SYSTEM

Preinstalled

Windows 10 Pro 64¹
Windows 10 Home 64¹
Windows 8.1 Pro 64¹
Windows 8.1 64¹
Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro)³
Windows 7 Professional 32 (available through downgrade rights from Windows 10 Pro)³
Windows 7 Professional 64 (available through downgrade rights from Windows 8.1 Pro)²
Windows 7 Professional 32 (available through downgrade rights from Windows 8.1 Pro)²
Windows 7 Professional 64¹
Windows 7 Professional 32¹
FreeDOS 2.0
Ubuntu (Not available on Touch or with WWAN)

Web-only Support

Windows 10 Pro 64¹
Windows 10 Home 64¹
Windows 8.1 Pro 64¹
Windows 8.1 64¹
Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro)³
Windows 7 Professional 32 (available through downgrade rights from Windows 10 Pro)³
Windows 7 Professional 64 (available through downgrade rights from Windows 8.1 Pro)²
Windows 7 Professional 32 (available through downgrade rights from Windows 8.1 Pro)²
Windows 7 Professional 64¹
Windows 7 Professional 32¹
Windows 10 Enterprise 64¹
Windows 8.1 Enterprise 64¹
Windows 8 Pro 64¹
Windows 8 64¹
Windows 7 Enterprise 64¹
Windows 7 Enterprise 32¹

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://www.microsoft.com>.
2. This system is preinstalled with Windows® 7 Professional software and also comes with a license and media for Windows 8 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.
3. This system is preinstalled with Windows® 7 Professional software and also comes with a license and media for Windows 10 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.

PROCESSOR

5th Generation Intel® Core™ i5-5200U 2.2 GHz (max turbo frequency 2.7-GHz), 3 MB L3 cache, 15W
5th Generation Intel® Core™ i5-5300U 2.3 GHz (max turbo frequency 2.9-GHz), 3 MB L3 Cache, 15W
5th Generation Intel® Core™ i7-5600U 2.6 GHz (max turbo frequency 3.2-GHz), 4 MB L3 Cache, 15W

Technical Specifications

5th Generation Intel® Core™ i7-5650U 2.2 GHz (max turbo frequency 3.2-GHz), 4 MB L3 Cache, 15W

* 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. 64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers, and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel® 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Intel's numbering is not a measurement of higher performance.

NOTE: Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

CHIPSET

Integrated with processor

INTEL CORE I5 WITH VPRO/CORE I7 WITH VPRO TECHNOLOGY CAPABLE

Intel® Core i5 with vPro and Core i7 with vPro technology is a selectable feature that is available on units configured with select processors, an Intel Centrino® Advanced-N or Ultimate-N WLAN module and a preinstalled Windows operating system. It provides advances in remote manageability, security, energy efficient performance, and wireless connectivity. Intel Active Management Technology 9.0 (iAMT) offers built-in manageability and proactive security for networked notebook PCs, even when they are powered off* or when the operating system is inoperable. It can help identify threats before they reach the network, isolate infected systems, and update PCs regardless of their power state.

*Requires a Windows operating system, network hardware and software, connection with a power source, and a direct (non-VPN) corporate network connection which is either cable or wireless LAN.

NOTE: Some functionality of Intel® Core i5 with vPro/Core i7 with vPro technology, such as Intel® Active Management technology and Intel® Virtualization technology, requires additional third- party software in order to run. Availability of future "virtual appliances" applications for Intel® Core i5 with vPro/Core i7 with vPro technology is dependent on third- party software providers. Compatibility with future "virtual appliances" is yet to be determined.

GRAPHICS

Intel® HD Graphics 5500 (i5-5200U, i5-5300U, i7-5600U)

Intel® HD Graphics 6000 (i7-5650U)

DISPLAY

Non-Touch

14.0" diagonal LED-backlit HD+* Anti-glare SVA (1600x900), 250 nits

14.0" diagonal LED-backlit FHD* Anti-glare UWVA with Panel Self Refresh (PSR)(1920x1080), 300 nits

Touch

14.0" diagonal LED-backlit FHD* UWVA with Panel Self Refresh (PSR) (1920x1080), 300 nits

Note: Touch panel has chemically-strengthened Corning® Gorilla® Glass 3 top cover

External

Up to 32-bit per pixel color depth

DisplayPort

Supports resolutions up to 2560 x 1600, 30-bit color depth at 60 Hz, and full HD* (1920 x 1080) monitors, 24-bit color depth at 120 Hz

*HD content required to view HD images.

Docking Station	Number of Displays supported
UltraSlim Docking Station (D9Y32AA#xxx)	3

Technical Specifications

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

** HP touchscreen sold separately or as an alternate feature. Touchscreen increases starting at weight to 3.72 lbs. and height to 17.1mm. Touch panel has chemically-strengthened Corning® Gorilla® Glass 3 top cover.

STORAGE AND DRIVES

Primary Storage

Solid State Drives

Supports M.2 SSD S5 2280

128 GB SATA III (MLC)

128 GB SATA III (TLC)

180 GB SATA III

180 GB SED SATA III OPAL2

256 GB SATA III (MLC)

256 GB SATA III (TLC)

256 GB SED SATA III OPAL2

512 GB SATA III (MLC)

* For hard drives and solid state drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 16 GB (for Windows 7) and up to 30 GB (for Windows 8.1 and 10) of system disk is reserved for the system recovery software.

NOTE: Internal component upgrades such as storage are not available after factory configuration.

MEMORY

Standard

DDR3L – 1600 (Transfer rates up to 1600 MT/s)

One SODIMM slot

Standard memory

4 GB soldered down

8 GB (4GB + 4GB SODIMM)

Maximum

8 GB Total System*

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

*Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.

NETWORKING/COMMUNICATIONS

Wireless

Support for a broad range of secure, integrated wireless LAN and wireless WAN options featuring support for the latest industry standards. Broadband Wireless (WWAN) is an optional feature and requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. . Wireless LAN and integrated Bluetooth® are also available (both are factory configurable only) and can be combined with any of the supported wireless WAN options.

Broadband Wireless (WWAN)

Technical Specifications

HP lt4211 LTE/EV-DO/HSPA+Gobi 4G+ Mobile Broadband Module *,**
HP lt4112 LTE/HSPA+ Qualcomm® Gobi™ 4G Mobile Broadband Module *,**
HP hs3110 HSPA+ Mobile Broadband Module *

* WWAN modules are only available if preconfigured. WWAN connection requires wireless data service contract, network support, and is not available in all areas. Contact service provider to determine the coverage area and availability. Connection speeds will vary due to location, environment, network conditions, and other factors.

** 4G LTE not available on all products, in all regions and requires Windows.

Note: Mobile Broadband sold as an optional feature that must be factory installed. Internal component upgrades to connectivity are not available after factory configuration.

Integrated wireless LAN options

Intel® 7265AN 802.11 a/b/g/n (2x2) with Bluetooth® v4.0 Combo
Intel® 7265 802.11 (2x2) AC with Bluetooth® v4.0 Combo***

Wireless access point and Internet service is required and is not included. Availability of public wireless access points limited.

Communications

Intel® 1218LM Gigabit Network connection (internal)*
Optional Near Field Communication with Secure Element**, ***

* The term "10/100/1000" or "Gigabit" Ethernet indicates compatibility with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

** NFC ships enabled by default on Windows 8.1 and is disabled by default on Windows 7.

*** Sold separately or as an option.

AUDIO/WEBCAM

Audio

HD Audio with DTS Studio Sound™ *
Integrated stereo speakers
Integrated dual-array microphone
Button for speaker mute; function keys for volume up and down
Headphone/Microphone combo port

*Works only with Windows.

Webcam

Optional* 720p HD** webcam

- HD format (widescreen)
- Supports videoconferencing and still image capture
- High quality fixed focus lens
- Video capture at various resolutions up to 1280x720 resolution (720p) and up to 30fps
- M-JPEG compression supports higher frame rates for video capture and videoconferencing
- Improved low light sensitivity
- Improved dynamic range

* Sold separately as an optional feature.

** HD content required to view HD images.

Technical Specifications

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

Spill-resistant with drain

Backlit

HP Dura Keys

Buttons and Function Keys

Discrete buttons provide easy access to the following features:

F1 - Blank

F2 – ForcePad™ on/off

F3 - Sleep

F4 - Display Switching

F5 - Blank

F6 - Volume Down

F7 - Volume Up

F8 - Mic Mute

F9 - Brightness Down

F10 - Brightness Up

F11 - Backlight Toggle

F12 - Blank

Pointing Devices

ForcePad™ pressure-sensing Touchpad responds to a tap or light pressure to support and enhance both basic and advanced touch gestures. ForcePad™ enhances some gestures, eliminating the need for repetitive motion and making navigation easier.

Glass with chemical etched surface

Supports 2-way scroll

Taps enabled as default

Gestures enabled by default

SOFTWARE AND SECURITY

Preinstalled with Windows Operating System

BIOS

Absolute Data Protect (Windows 8.1 only)¹

HP Automatic DriveLock | HP DriveLock

HP BIOSphere²

HP Sure Start

HP BIOS Protection³

Disk Sanitizer⁴

Secure Erase⁶

HP SpareKey⁵

BIOS Update via Network

Master Boot Record Security

Power On Authentication

Pre-Boot Security

Hybrid Boot (Windows 8.1 only)

Measured Boot (Windows 8.1 only)

Technical Specifications

Secure Boot (Windows 8.1 only)
Absolute Persistence Module⁷

Multi-Media

Cyberlink Power DVD
Cyberlink YouCam BE (Windows 7 only)

Communications

HP Mobile Connect (Windows 8.1 only)⁸
HP Connection Manager with support for HP Mobile Connect2 (Windows 7 only)⁸
HP GPS and Location (Windows 7 only)⁹
HP Wireless Hotspot (Windows 8.1 only)¹⁰
Intel® Wireless Display (WiDi) Software for Windows¹¹
Intel® My WiFi and Wireless Drivers for MS

HP Value Add Software

HP Ceement (Windows 7 only)
HP ePrint Driver (HP Exclusive)¹²
HP Hotkey
HP Manageability (activation required)
HP PageLift
HP Recovery Manager (Windows 7 only)
HP Recovery Disc Creator (Windows 7 only)
HP Registration App (Windows 8.1 only)
HP Setup
HP Software Setup
HP Support Assistant
HP Wallpaper

3rd Party

Foxit PhantomPDF Express for HP

Microsoft Products

Skype¹³
Buy Office

Manageability

HP Driver Packs¹⁴
HP SoftPaq Download Manager (SDM)
HP System Software Manager (SSM)¹⁴
HP BIOS Config Utility (BCU)¹⁴
HP Client Catalog / HP CIK for Microsoft SCCM¹⁴
LANDESK Management¹⁵

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

Client Security - Software¹

HP Drive Encryption¹⁶
HP File Sanitizer (SSDs and Hybrid Drives not supported)¹⁷
HP Security Manager
Microsoft Security Essentials (Windows 7 only)¹⁸
Microsoft Defender (Windows 8.1 only)¹⁸

Standard

1.2

Technical Specifications

Integrated Smart Card Reader
HP Fingerprint Reader
Security lock slot
Preboot Authentication

For more information on HP Client Security Software Suite, refer to <http://www.hp.com/go/clientsecurity>.

1. Absolute Data Protect software is preloaded, subscription required. See <http://www.absolute.com/landing/2012/computrace-hp> for complete details. Absolute Data Protect agent is shipped turned off, and must be activated by customers. Service may be limited, check with Absolute for availability outside the U.S. The optional subscription service of Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit:

<http://www.absolute.com/company/legal/agreements/computrace-agreement>. If Data Delete is utilized, the Recovery Guarantee payment is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either create a PIN or purchase one or more RSA SecurID tokens from Absolute Software.

2. HP BIOSphere features may vary depending on the PC platform & configuration.

3. Requires a HPTools partition for automatic recovery.

4. For the use cases outlined in the DOD 5220.22-M Supplement. Does not support Solid State Drives (SSDs). Requires Disk Sanitizer, External Edition for Business Desktops from hp.com. Requires Windows on business desktops and notebooks.

5. Requires initial user set up. Business Desktops don't support Spare Key in the BIOS.

6. For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88. Supported on ElitePad 900 G1 with BIOS version F.03 and higher.

7. BIOS Absolute Persistence module is shipped turned off, and will be activated when customers purchase and activate a subscription. Service may be limited. Check with Absolute for availability outside the U.S. The optional subscription service of Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit:

<http://www.absolute.com/company/legal/agreements/computrace-agreement>. If Data Delete is utilized, the Recovery Guarantee payment is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either create a PIN or purchase one or more RSA SecurID tokens from Absolute Software.

8. HP Mobile Connect service requires a compatible CDMA or HSPA mobile broadband module and prepaid service purchase. Find coverage and availability for your service area at hp.com/go/mobileconnect. Available in EMEA only.

9. 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.

10. The HP Wireless Hotspot application requires an active internet connection and separately purchased data plan. While HP wireless hotspot is active, on-device applications will continue to work and will use the same data plan as the wireless hotspot. Wireless hotspot data usage may incur additional charges. Check with your service provider for plan details. Requires Windows 8.1 or HP Connection Manager for Windows 7.

11. 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.

12. 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 www.hp.com/go/businessmobileprinting).

13. Skype is not offered in China.

14. Not preinstalled, however available on manageability website.

15. LANDesk is an optional feature sold separately. Managed devices must be connected to the management server. Location based functionality requires active LANDesk maintenance service. Wipe functionality performs a "Windows 8 Reset" and requires Windows 8. Lock performs a Windows "Lock Computer."

16. Data is protected prior to Drive Encryption login. Turning the PC off or into hibernate logs out of Drive Encryption and prevents data access. Requires Windows.

17. Managed devices must be connected to the management server. Location based functionality requires active LANDesk maintenance service. Wipe functionality performs a "Windows 8 Reset" and requires Windows 8. Lock performs a Windows "Lock Computer."

18. Opt in and internet connection required for updates.

POWER

Power Supply/AC Adapters

Technical Specifications

45W 2-prong AC Adapter
45W Smart AC Adapter
65W Smart EM AC Adapter
65W Slim AC Adapter

Power cord included is 3.2 ft /1 m long.
Optional: 1.8m long Power Cord (5.9 ft)

Primary Battery

HP 6-Cell (42Whr) polymer long life battery

Battery Life

Platform	Other Hardware details	Battery	With UMA Graphics
HP EliteBook 1040 G2	M.2 SSD	6-cell (42Whr)	Up to 10 hrs 15 min

System Standby Time

Up to TBD

Power Conservation

Hibernation
Standby
ACPI compliance

WEIGHTS & DIMENSIONS

Weight

Starting at 3.32 lbs/1.51 kg and height of 15.9 mm (17.1 mm with touchscreen).

NOTE: Weight varies by configuration and components.

Dimensions (w x d x h)

Non Touch

13.31 x 9.19 x 0.63 in
33.8 x 23.35 x 1.59 cm

Touch

13.31 x 9.19 x 0.67 in
33.8 x 23.35 x 1.71 cm

PORTS/CONNECTORS

Ports

Input / Output

DisplayPort 1.2
(2) USB 3.0 Charging Port
Docking connector
Headphone/Microphone Combo
Multi-Pin AC Port (4.5mm)

Digital Media Slots

Micro SD Media Reader Slot -
Supports SD, SDHC, SDXC

Technical Specifications

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 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>.

** 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. For details, visit www.hp.com/go/cpc.

ENVIRONMENTAL

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 Gold registered in the United States. See <http://www.epeat.net> for registration status in your country.

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)	5.60 W	5.50 W	5.71 W
Normal Operation (Long idle)	2.79 W	2.84 W	2.65 W
Sleep	0.45 W	0.69 W	0.60 W
Off	0.28 W	0.37 W	0.28 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)	19 BTU/hr	19 BTU/hr	20 BTU/hr
Normal Operation (Long idle)	10 BTU/hr	10 BTU/hr	9 BTU/hr
Sleep	2 BTU/hr	2 BTU/hr	2 BTU/hr
Off	1 BTU/hr	1 BTU/hr	1 BTU/hr

*NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

Declared Noise Emissions

Sound Power
(L_{WAd}, bels)

Sound Pressure
(L_{pAm}, decibels)

Technical Specifications

(in accordance with ISO 7779 and ISO 9296)

Typically Configured – Idle 2.8 18

Fixed Disk – Random writes 2.8 18

Batteries

This battery(s) in this product comply with EU Directive 2006/66/EC

Batteries used in the product do not contain:
Mercury greater than 1ppm by weight
Cadmium greater than 20ppm by weight

Battery size: CR2032 (coin cell)
Battery type: Lithium
Battery size: 6-cell high capacity Lithium-Ion battery.

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 (EPEAT) standard at the gold 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 96.6 % recycle-able when properly disposed of at end of life.

Packaging Materials

External: PAPER/Paper 374 g
Internal: PLASTIC/EPE-Expanded Polyethylene 23 g
PLASTIC/Polypropylene 3 g

The plastic packaging material contains at least 30 % recycled content.
The paper packaging materials contains at least 30 % 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 (PBEBs)

Technical Specifications

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)

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/qcreport/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 (up to 14.1" x .75" thick)	H5M91AA
	HP Executive Leather Messenger (up to 14.0" x 1")	K0A31AA
	HP Slim Ultrabook Messenger (up to 15.6" x .88"/22/5mm)	F3W14AA
	HP Slim Ultrabook Top Load (up to 15.6" x .88"/22/5mm)	F3W15AA
	HP Slim Ultrabook Backpack (up to 15.6" x .88"/22/5mm)	F3W16AA
Stands	HP Adjustable Dual Monitor Stand	AW664AA#xxx
	HP Display and Notebook Stand II	E8G00AA#xxx
Docking	HP UltraSlim Docking Station	D9Y32AA
Input Devices	HP Wireless Mobile Mouse	H2L63AA
	HP X4000b Bluetooth Mouse	H3T50AA#xxx
	HP Ultra Mobile Wireless Mouse	H6F25AA
	HP USB Travel Mouse	G1K28AA
	HP Stylish Wireless KB/Mouse	H4B79AA
Adapters	USB Graphics Adapter (DBU PL)	NL571AA/AT
	HP DisplayPort to HDMI 1.4 Adapter	F3W43AA
	HP DisplayPort to DVI Adapter	F7W96AA
	HP DisplayPort to VGA Adapter	F7W97AA
	HP Dock Connector to Ethernet/VGA Adapter	G7U78AA
Power Adapters	HP Wireless Display Adapter	J1V25AA#xxx
	HP 45W Smart AC Adapter (4.5mm) (PL MP only)	H6Y88AA#xxx
	HP 65W Smart AC Adapter (4.5mm)	H6Y89AA#xxx
	HP 65W Slim AC Adapter	H6Y82AA#xxx
	HP 65W Smart Travel AC Adapter	JOE43AA#xxx
Security	HP UltraSlim Keyed Cable Lock	H4D73AA
Storage	HP External USB Optical Drive	F2B56AA
Monitors	HP EliteDisplay E221c 21.5-in Webcam Monitor	D9E49AA
	HP EliteDisplay E231i 23-inch IPS Monitor	F9Z10AA
	HP EliteDisplay E241i 24-inch IPS Monitor	F0W81AA
	HP EliteDisplay E271i 27-inch IPS Monitor	D7Z72AA
	HP EliteDisplay S231d 23-inch LED Backlit Monitor	F3J72AA
	HP EliteDisplay S240ml 23.8-in MHL Monitor	F4M47AA

Summary of Changes

Date of change	Version History		Description of change:
January 22, 2015	V1 to V2	Updated	Added the Environmental content added, overview, wireless, graphics, displays, software, and power cords.
February 3, 2015	V2 to V3	Added	Battery life on page 11 Military standards test results on page 3
February 26, 2015	V3 to V4	Removed	WLAN Draft specs disclaimer on page 7
March 13, 2015	V4 to V5	Updated	Memory section page 6
May 5, 2015	V5 to V6	Removed	2013 from Docking name D9Y32AA
June 29, 2015	V6 to v7	Updated	Overview with Windows 10 page 3 Operating System added Windows 10 page 4 Footnote for Windows page 4 Storage footnote page 6
		Removed	2.0 from TPM page 10

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