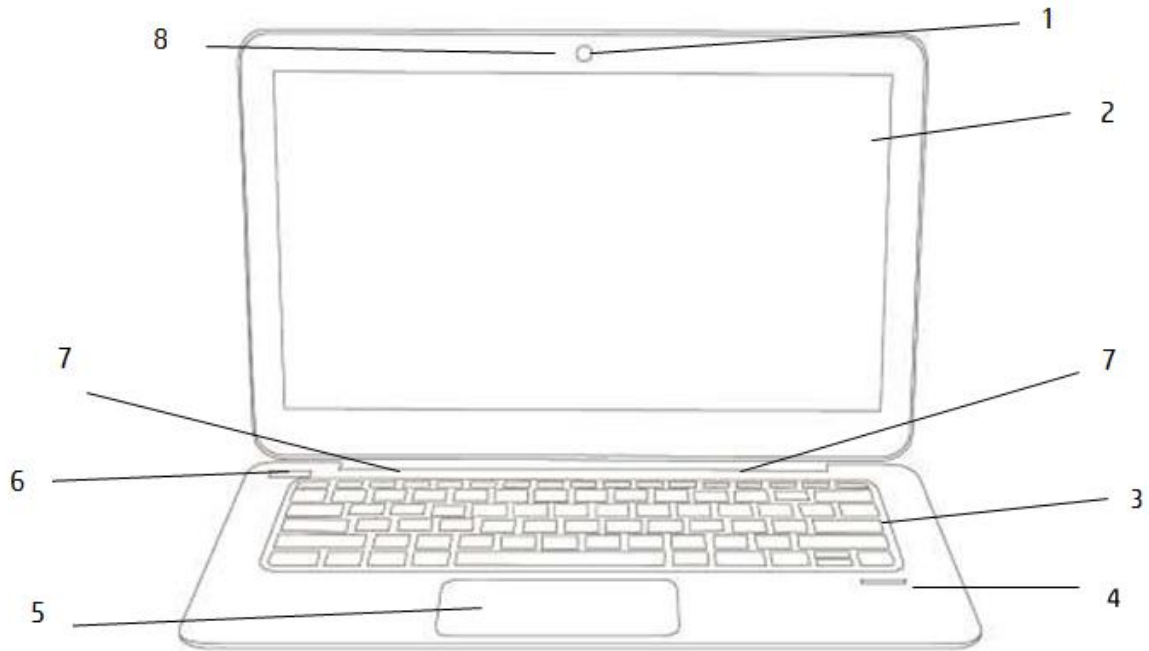


Overview

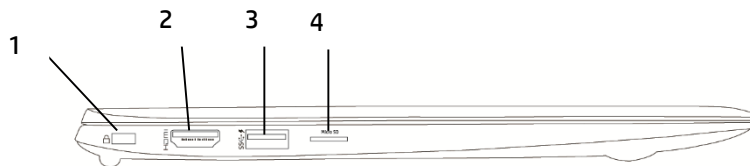
HP EliteBook Folio 1020 G1 Notebook PC



Front

- 1. 720p HD webcam
- 2. 12.5" diagonal display
- 3. Keyboard
- 4. Fingerprint reader
- 5. ForcePad™

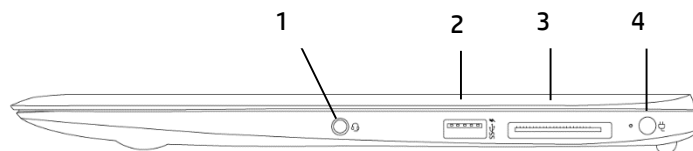
- 6. Power button
- 7. Audio Speakers
- 8. Webcam LED



Side

- 1. Lock slot
- 2. HDMI port

- 3. USB charging port
- 4. Micro SD Media Reader Slot

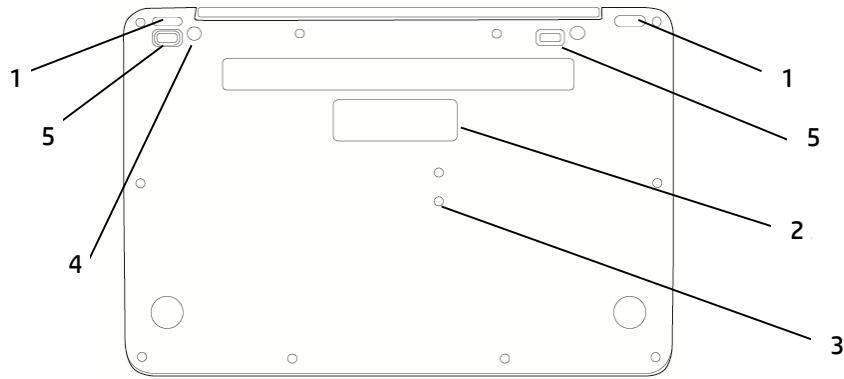


Side

- 1. Headphone/microphone combo
- 2. USB charging port

- 3. Side docking connector
- 4. Power connector

Overview



Bottom

- 1. Rubber anti-skid feet
- 2. Service tag
- 3. Spill resistant keyboard drains

- 4. Docking station guides
- 5. Docking station lock slot

At A Glance

- Standard edition: weight starting at 1.17 kg/2.58 lbs and height of 15.7mm; crafted from CNC aluminum and magnesium alloy
- Special edition: weight of 1 kg/2.2 lbs and height of 15.7mm; crafter from forged magnesium-lithium alloy and carbon fiber
- Enhanced security features including HP Sure Start self-healing BIOS, HP Client Security, HP BIOSphere, TPM 1.2/2.0, HP Fingerprint Reader and optional vPro
- Enhanced durability through MIL-SPEC 810G testing, plus an additional 115,000 hours of reliability testing through HP's Total Test Process
- Fan-less, all solid state design, and choice of latest Intel® Core-M Processors with integrated Intel® HD Graphics
- Choice of Solid State Drives up to 512 GB or Self Encrypting Drive up to 256 GB (SED Standard edition only)
- New HP Premium Keyboard for enhanced user typing experience; also full size, spill-resistant, and backlit
- HD Audio with DTS Studio Sound™ optimized for high fidelity audio, 720p HD webcam for videoconferencing and still image capture, HP Noise Reduction Software for clean videoconferencing
- Suite of optional accessories including docking stations, displays, mice and carrying cases
- Windows 10 versions, Windows 8.1 versions, Windows 7 versions, FreeDOS 2.0 or Ubuntu Linux
- 12.5" diagonal QHD Touch (Standard), anti-glare non-touch FHD (Standard), or anti-glare non-touch QHD (Special) displays
- Up to 8 GB of memory
- 4-Cell (36 Whr) HP Long Life battery for battery life up to 9 hours
- ForcePad™ pressure-sensing Touchpad responds to a tap or a light pressure to support and enhance both basic and advanced touch gestures
- 802.11AC or 802.11 AN with Bluetooth wireless

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

Features

PRODUCT NAME

HP EliteBook Folio 1020 G1 Notebook PC

OPERATING SYSTEM

Preinstalled

- Windows 10 Pro 64*
- Windows 10 Home 64*
- Windows 8.1 Pro 64*
- Windows 8.1 64*
- Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro)***
- Windows 7 Professional 32 (available through downgrade rights from Windows 10 Pro)***
- Windows 7 Professional 64 (available through downgrade rights form Windows 8.1 Pro)**
- Windows 7 Professional 32 (available through downgrade rights form Windows 8.1 Pro)**
- Windows 7 Professional 64*
- Windows 7 Professional 32*
- FreeDOS 2.0
- Ubuntu Linux (Not available on Touch or with WWAN)

Web only support

- Windows 10 Pro 64*
- Windows 10 Home 64*
- Windows 8.1 Pro 64*
- Windows 8.1 64*
- Windows 7 Professional 64 (available through downgrade rights from Windows 10 Pro)***
- Windows 7 Professional 32 (available through downgrade rights from Windows 10 Pro)***
- Windows 7 Professional 64 (available through downgrade rights form Windows 8.1 Pro)**
- Windows 7 Professional 32 (available through downgrade rights form Windows 8.1 Pro)**
- Windows 7 Professional 64*
- Windows 7 Professional 32*
- Windows 10 Enterprise 64*
- Windows 8.1 Enterprise 64*
- Windows 8 Pro 64*
- Windows 8 64*
- Windows 7 Enterprise 64*
- Windows 7 Enterprise 32*

Certified Microsoft WHQL

*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>

** This system is preinstalled with Windows® 7 Pro 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.

***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.

Features

PROCESSOR

Intel® Core M-5Y51 1.1 GHz (max turbo frequency 2.6 GHz), 4 MB L3 Cache, 4.5W
Intel® Core M-5Y71 1.2 GHz (max turbo frequency 2.9 GHz), 4 MB L3 Cache, 4.5W (vPro)

* 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.

† Not available with vPro

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

CHIPSET

Integrated with processor

GRAPHICS

Integrated:
Intel® HD Graphics 5300

DISPLAY

Internal

Touch

12.5" diagonal eDP, UltraSlim, QHD UWVA (2560x1440) 340nts (Not available on Ubuntu)

Non Touch

12.5" diagonal eDP, UltraSlim, FHD UWVA, anti-glare (1920 x 1080) 300nts

DisplayPort

Supports resolutions up to 2560 x 1440

Number of Displays supported

3 with the HP Ultralim Docking Station or the DP hub.

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

STORAGE AND DRIVES

Primary Storage Bay

Solid State Drive*

128 GB SATA III
180 GB SATA III
256 GB SATA III
512 GB SATA III

Self Encrypting Drive

180 GB SATA III Self Encrypting Drive Opal 2

Features

256 GB SATA III Self-Encrypting Drive Opal 2

* For Solid State Drives (SSD), GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 16 GB (for Windows 7) and up to 30 GB (for Windows 8 and 10) is reserved for system recovery software

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

MEMORY

Standard

LPDDR3 SDRAM 1600 (Transfer rates up to 1600 MT/s)
Supports Dual Channel Memory

Standard memory

4 GB soldered down

Maximum

8 GB* soldered down

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

NETWORKING/COMMUNICATIONS

Wireless

Support for WLAN featuring support for the latest industry standards.
Wireless LAN and integrated Bluetooth are also available both are factory configurable only.

WLAN

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

**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.

Communications

Intel® I218LM Gigabit* Network Connection (10/100/1000 NIC)

* 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.

Near Field Communication (NFC)

AUDIO/MULTIMEDIA

Audio

HD Audio with DTS Studio Sound™
Two integrated stereo speakers

Features

Integrated dual- array microphone

Webcam

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
- M-JPEG compression supports higher frame rates for video capture and videoconferencing
- Improved low light sensitivity
- Improved dynamic range

*HD content required to view HD images.

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

Spill-resistant with drain

Backlit

DuraKeys

Function Keys provide easy access to the following features:

F1 - Blank

F2 – Forcepad on/off

F3 - Sleep

F4 - Display Switching

F5 - Mute

F6 - Volume Down

F7 - Volume Up

F8 - Mic Mute

F9 - Brightness Down

F10 - Brightness Up

F11 - Backlight Toggle

F12 - Wireless On/Off

ForcePad™

A pressure-sensing ForcePad™ that eliminates the need for repetitive motion and makes navigation easier

ForcePad™

Glass with chemical etched surface

Taps enabled as default

Gestures enabled by default - 2 Finger Scrolling, 2 Finger Zoom (Pinch)

SOFTWARE AND SECURITY

Preinstalled Software with Windows Operating System

Security Software

HP BIOSphere¹

Absolute Date Protect (Windows 8.1 only)²

HP Sure Start

HP DriveLock | HP Automatic Drive Lock

HP BIOS Protection³

HP Disk Sanitizer⁴

HP SpareKey⁵

BIOS Update via Network

Features

Master Boot Record Security
Power On Authentication
Pre-Boot Security
Secure Erase⁶
Hybrid Boot (Windows 8.1 only)
Measure Boot (Windows 8.1 only)
Secure Boot (Windows 8.1 only)
Absolute Persistence Module⁷

HP Client Security Software Suite

HP Client Security Manager (Windows only)
HP Device Access Manager
HP File Sanitizer¹²
HP Drive Encryption¹⁷

MultiMedia

Cyberlink Power DVD, BD
Cyberlink YouCam BE (Windows 7 only)

Communication

HP Wireless Hotspot (Windows 8.1 only)¹⁰
Intel® Wireless Display (WiDi) Software for Windows¹¹ Intel® My WiFi and Wireless Drivers
Lync optimized

HP Value Add Software

Getting Started with Windows 8
HP 3D DriveGuard (Windows required)
HP ePrint Driver (HP Exclusive)¹³
HP Hotkey
HP PageLift
HP Recovery Manager (Windows 7 only)
HP Support Assistant
HP Recovery Disc Creator (Windows 7 only)
UEFI System Diagnostics W8

Manageability

HP Driver Packs¹⁵
HP SoftPaq Download Manager (SDM)
HP System Software Manager (SSM)¹⁵
HP BIOS Config Utility (BCU)¹⁵
HP Client Catalog / HP CIK for Microsoft SCCM¹⁵
LANDESK Management¹⁶

3rd Party

Adobe® Flash Player (Commercial)
Foxit PhantomPDF Express for HP⁸
Bing Search
Buy Office

Security

TPM Embedded Security Chip 1.2/2.0¹⁴
Security lock slot
Fingerprint Reader

Features

1. HP BIOSphere features may vary depending on the PC platform & configuration.
2. 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.
3. HP BIOS Protection 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 and requires Windows.
5. Requires initial user set up.
6. For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88.
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. Read only.
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. 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."
13. 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).
14. Firmware TPM is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT). For more information on HP security solutions refer to: <http://www.hp.com/go/clientsecurity>.
15. Not preinstalled, however available on manageability website.
16. 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."
17. 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.

POWER

Power Supply

45W Smart AC Adapter

45W AC Adapter 2 prong (Japan only)

Features

Power cord included is 3.2 ft /1 m long
Optional Power cord 1.8m long (Sold separately.)

Primary Battery

HP 4-Cell (36 Whr) Long Life Polymer

Battery Life

Up to 9 hours (FHD Display)

Up to 8 hours 15 minutes (QHD Display)

System Standby Time

Up to TBD weeks

Power Conservation

Hibernation

Standby

ACPI compliance

Features

ENVIRONMENTAL

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 (Sort idle)	7.48 W	7.80 W	7.66 W
Normal Operation (Long idle)	2.27 W	2.67 W	2.31 W
Sleep	0.24 W	0.34 W	0.23 W
Off	0.22 W	0.32 W	0.21 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)	26 BTU/hr	27 BTU/hr	26 BTU/hr
Normal Operation (Long idle)	8 BTU/hr	9 BTU/hr	8 BTU/hr
Sleep	1 BTU/hr	1 BTU/hr	1 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 (in accordance with ISO 7779 and ISO 9296)

	Sound Power (L _{WAd} , bels)	Sound Pressure (L _{pAm} , decibels)
Typically Configured – Idle	2.6	14
Fixed Disk – Random writes	2.6	14

Longevity and Upgrading

This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the product may include:

- 3 USB ports
- 1 PC card slot (type I/II)
- 1 ExpressCard/54 slot
- 1 IEEE 1394 Port
- 2 SODIMM memory slots
- Optional expansion base docking station
- 1 multi-bay II storage port
- Interchangeable HDD

Features

Spare parts are available throughout the warranty period and or for up to “5” years after the end of production.

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: 4-cell (36Whr) Polymer Lithium

Battery type: Polymer Lithium Long Life

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 97.8 % recycle-able when properly disposed of at end of life.

Packaging Materials

External:	PAPER/Corrugated	367.9 g
Internal:	PLASTIC/EPE (Expanded Polyethylene)	18.6 g
	PLASTIC/Polyethylene low density	14.5 g

The plastic packaging material contains at least 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)

Features

- 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>

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 (Sort idle)	7.48 W	7.80 W	7.66 W
Normal Operation (Long idle)	2.27 W	2.67 W	2.31 W
Sleep	0.24 W	0.34 W	0.23 W

Features

Off	0.22 W	0.32 W	0.21 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)	26 BTU/hr	27 BTU/hr	26 BTU/hr
Normal Operation (Long idle)	8 BTU/hr	9 BTU/hr	8 BTU/hr
Sleep	1 BTU/hr	1 BTU/hr	1 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 (in accordance with ISO 7779 and ISO 9296)	Sound Power (L_{WAd}, bels)	Sound Pressure (L_{pAm}, decibels)
Typically Configured – Idle	2.6	14
Fixed Disk – Random writes	2.6	14

Longevity and Upgrading

This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the product may include:

- 3 USB ports
- 1 PC card slot (type I/II)
- 1 ExpressCard/54 slot
- 1 IEEE 1394 Port
- 2 SODIMM memory slots
- Optional expansion base docking station
- 1 multi-bay II storage port
- Interchangeable HDD

Spare parts are available throughout the warranty period and or for up to “5” years after the end of production.

Features

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 s% post-consumer recycled plastic (by wt.)
- This product is 97.8 % recycle-able when properly disposed of at end of life.

Packaging Materials

External:	PAPER/Corrugated	367.9 g
Internal:	PLASTIC/EPE (Expanded Polyethylene)	18.6 g
	PLASTIC/Polyethylene low density	14.5 g

The plastic packaging material contains at least 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)

Features

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>

WEIGHTS & DIMENSIONS

Ultra light Model

Weight

Non Touch

Starting at 2.20 lbs/ 1 kg

Standard Model

Weight

Non Touch

Starting at 2.58 lbs/ 1.17 kg

Touch

Starting at 2.81 lbs/ 1.27 kg

Weight varies by configuration and components.

Features

Dimensions (w x d x h)

310 x 210 x 15.7 mm

12.2 x 8.27 x .62 in

Note:FHD no touch / QHD with touch

PORTS/SLOTS

Ports

(2) USB 3.0 Charging ports

HDMI port

Docking connector

Headphone/microphone combo

4.5mm Multi-Pin AC Port

Digital Media Slots

Micro SD Media Reader Slot

Supports SD, SDHC, SDXC

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>.

NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.
<http://h20000.www2.hp.com/bizsupport/TechSupport/ProductRoot.jsp>

Technical Specifications

SYSTEM UNIT

TBD

ENVIRONMENTAL DATA

TBD

COUNTRY OF ORIGIN

China

Options and Accessories (sold separately and availability may vary by country)

Type	Description	Part Number
Cases	HP Essential Top Load Case (up to 15.6")	H2W17AA
	HP Essential Backpack (up to 15.6")	H1D24AA
	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
Docking	HP UltraSlim Docking Station	D9Y32AA
	HP 3001pr USB 3 Port Replicator	F3S42AA
	HP USB 3.0 Port Replicator (Spin)	H1L08AA
	HP Universal Port Replicator (in testing)	E6D70AA
Input/Output - Keyboard	HP Touch To Pair Mouse	H6E52AA
	HP keyboard and mouse	G1K29AA
	HP Stylish USB Keyboard and Mouse	H4B79AA
Adapters	HP Wireless display adapter	J1V25AA
	HP USB dual output adapter	C5U89AA
Input/Output	HP Stylish USB KB/Mouse	H4B80AA
	HP X4000b Bluetooth Mouse	H3T50AA
	USB Graphics Adapter (DBU PL)	NL571AA
	HDMI to VGA Adapter	H4F02AA
	HP HDMI to DVI Adapter	F5A28AA
	HP EliteFolio Ethernet/VGA Adapter II (Sidecar2)	TBD
Power	HP 45W Smart AC Adapter (4.5mm)	H6Y88AA
Storage	HP External USB Optical Drive	F2B56AA
Security	12.5" Privacy Filter (2 way)	J6E64AA
	HP UltraSlim Keyed Cable Lock	H4D73AA
Monitors	HP EliteDisplay S240ml 23.8-in MHL Monitor	F4M47AA
	HP EliteDisplay E221c 21.5-in Webcam Monitor	D9E49AA
	HP EliteDisplay E221i 21.5-inch IPS Monitor	F9Z09AA

Summary of Changes

©Copyright 2014 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties are contained in the limited warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Bluetooth is a trademark of its proprietor used by Hewlett-Packard Company under license.

ENERGY STAR is a registered trademark of the U.S. Environmental Protection Agency. Intel and Core are trademarks of Intel Corporation in the U.S. and other countries. Microsoft and Windows registered trademarks of the Microsoft group of companies. For DTS patents, see <http://patents.dts.com>. Manufactured under license from DTS Licensing Limited. DTS, the Symbol, & DTS and the Symbol together are registered trademarks, and DTS Studio Sound is a trademark of DTS, Inc. © DTS, Inc. All Rights Reserved.