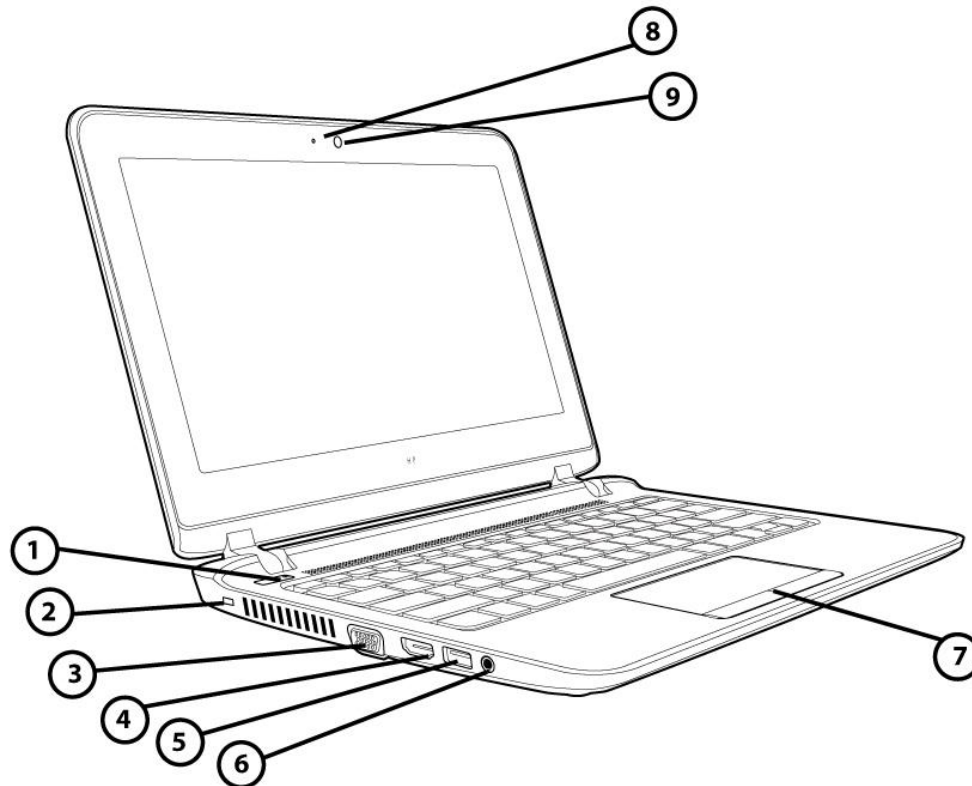


Overview

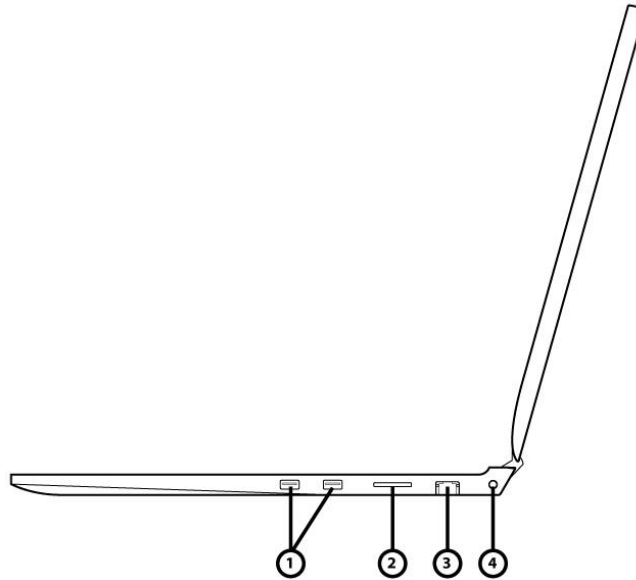
HP ProBook 11 G3 Education Edition Notebook



Front, Left

- | | |
|-----------------|------------------------------|
| 1. Power Button | 6. 3.5mm Combo Headphone/Mic |
| 2. Lock Slot | 7. Touchpad |
| 3. VGA Port | 8. Webcam LED |
| 4. HDMI Port | 9. Webcam |
| 5. USB 3.1 Port | |

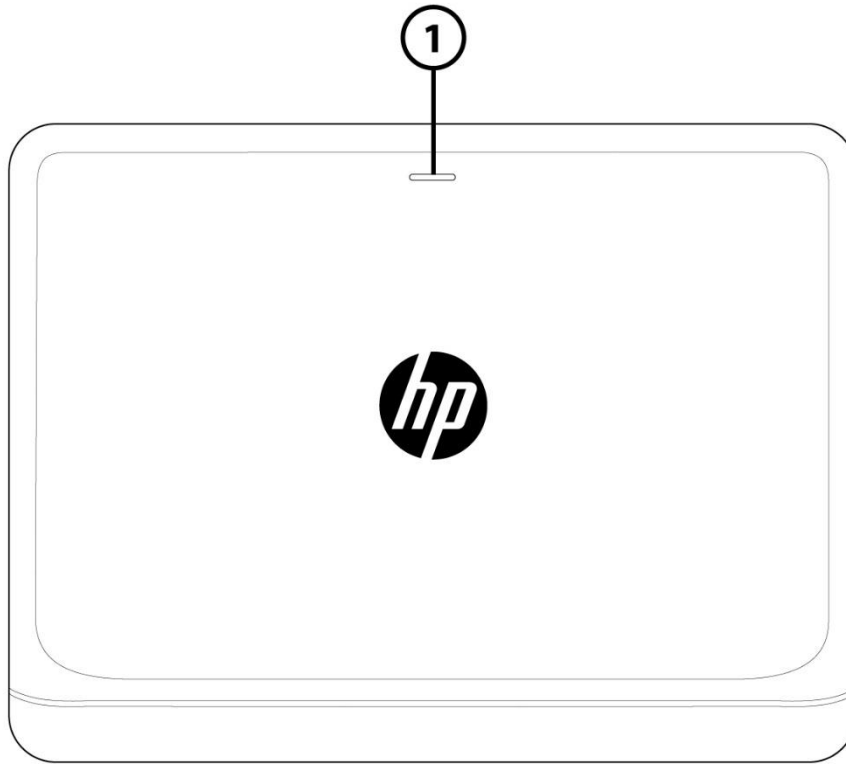
Overview



Right side

1. 2 USB 3.1 Ports
2. SD Card Slot
3. RJ-45 Port (Ethernet)
4. AC Power Connector (4.5mm)

Overview



Closed view - top

1. Network access indicator/LED light

Overview

At A Glance

- This light, durable notebook features a reinforced chassis design
 - Weight starting at 3.50 lbs (1.59 kg)
 - Windows 10 Pro
 - Intel® Celeron® processor
 - 11.6" diagonal HD LED flat (3.6mm) SVA, 220 nits, Anti-glare (1366 x 768) Non-Touch
 - Full size island style spill resistant keyboard
 - Touchpad support multi gestures and PS/2 interface
 - eMMC 128GB
 - 4 GB memory
 - Integrated HP TrueVision HD Webcam
 - 802.11b/g/n 1x1 Wi-Fi with Bluetooth 4.0 Combo
 - HP 3-cell battery (36 WHr)
 - Integrated Intel® Graphics
 - DTS Sound™ with integrated stereo speakers and single digital microphones
 - HP Multi-Format Digital Media Card Reader
 - Designed to pass MIL STD testing¹
1. MIL-STD testing is pending and is not intended to demonstrate fitness for U.S. Department of Defense contract 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.

Technical Specifications

PRODUCT NAME

HP ProBook 11 G3 Education Edition Notebook

OPERATING SYSTEM

Preinstalled Windows 10 Pro 64 – HP recommends Windows 10 Pro¹

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>.

PROCESSOR

Intel® Celeron® N3060 with Intel HD Graphics 400 (1.6 GHz, 2 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.

CHIPSET

Chipset is integrated with processor

GRAPHICS

Intel® HD 400

NOTE: Integrated graphics depends on processor

DISPLAY

Internal

Non-Touch

11.6" diagonal HD LED flat (3.6mm) SVA, 220 nits, Anti-glare (1366 x 768)¹

1. HD content required to view HD images.

HDMI v1.4 port on Unit

Supporting up to 2560 x 1600 resolution

VGA (Dsub 15 pin) supporting:

2048 x 1536 external resolution @ 60 Hz

Technical Specifications

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

STORAGE AND DRIVES

Supports single 2.5" 7.0 mm SATA Hard Drives

Single Hard Drive ¹

eMMC

128GB

1. 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 and 10) of system disk is reserved for the system recovery software.

MEMORY

Standard

One SODIMM slots

Customer accessible / upgradeable

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

Supports

4096 MB Total System Memory (4096 MB x 1)

Maximum

Supports up to 4 GB max system memory

NOTE: Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.

NETWORKING/COMMUNICATIONS

Wireless LAN (WLAN)¹

Realtek 802.11b/g/n (1x1) WiFi and Bluetooth® 4.0 Combo

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

Communications

Integrated 10/100/1000 Gigabit Ethernet

Supports PXE boot

Technical Specifications

AUDIO/MULTIMEDIA

Audio

DTS Sound™

Integrated dual stereo speakers

Single digital microphone with echo cancellation/noise suppression

Webcam

Integrated HD webcam^{1,2}

- HP TrueVision HD¹ camera
- Fixed (no tilt) + activity LED on LCD cover
- 1280 x 720 by 30 frames per second

1. HD content required to view HD images.
2. Wireless access point and Internet service is required and is not included. Availability of public wireless access points limited.

KEYBOARDS/POINTING DEVICES

Keyboard

100% Full size island style keyboard

Anti-peel protection on key caps

Spill resistant keyboard (tested to IP41 standard)

Pointing Devices

Touchpad

Taps enabled as default

Support Multi Gestures - ability to turn on and off

Support PS/2 interface

SOFTWARE AND SECURITY

Preinstalled Software with Windows Operating System

Preinstalled Software

IE Home

HP ePrint¹

HP PC Hardware Diagnostics UEFI

HP Support Assistant

Intel Education Theft Deterrent

BIOS

HP BIOS Protection⁶

Power On Authentication

Secure Erase⁷

Absolute Persistence Module⁸

Technical Specifications

Manageability

HP SoftPaq Download Manager (SDM)

HP System Software Manager (SSM) ¹⁰

HP BIOS Config Utility (BCU) ¹⁰

Security

Trust Platform Module (TPM) 2.0 Embedded Security Chip

MicrosoftDefender ¹¹

1. 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/eprintcenter).
2. Skype is not offered in China.
5. Available only on business PCs with HP BIOS.
6. May require a manual recovery step if all copies of BIOS are compromised or deleted.
7. For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88.
8. 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.
10. Not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
11. Opt in and internet connection required for updates.

POWER

Power Supply

HP 45W Smart AC Adapter

3.2 ft/1.0m 3-prong power cord

Primary Battery

HP 3-cell battery (36 WHr)

1. Sold separately or as an optional feature.

Battery Life¹

TBD

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.

Technical Specifications

System Standby Time

TBD

WEIGHTS & DIMENSIONS

Weight

Non Touch

Starting at 3.50 lbs (1.59 kg)¹

(3-cell battery, non-touch, eMMC and no WWAN)

1. Weight varies by configuration and components.

Dimensions (w x d x h)

11.88 x 8.95 x 1 in (at front)

30.18 x 22.74 x 2.54 cm (at front)

PORTS/JACKS/SLOTS

Ports/Jacks

(3) USB 3.1 (Two on one side, third on the opposite side)

(1) HDMI

(1) headphone/microphone combo

(1) AC power

(1) RJ-45

(1) VGA

NOTE: Cables are not included.

HP Multi-Format Digital Media Card Reader

Support SD/SDHC/SDXC

Push-Push Insertion/Removal

NETWORKING/ COMMUNICATIONS

Realtek 802.11b/g/n (1x1) and Bluetooth® 4.0 Combo

Wireless LAN Standards	IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n IEEE 802.11ac
Interoperability	Wi-Fi certified

Technical Specifications

Frequency Band	<p>802.11b/g/n</p> <ul style="list-style-type: none">• 2.402 – 2.482 GHz <p>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.</p> <p>802.11a/n</p> <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 <p>Note: Indonesia only supports 5.725 - 5.825 GHz (CH149 - CH161)</p>
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) (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• Cisco Certified Extensions, all versions through CCX4 and CCX Lite• WAPI

Technical Specifications

Network Architecture Models Roaming Output Power²	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required) IEEE 802.11 compliant roaming between access points <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• 802.11ac 80MHz(5GHz) : +11dBm 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 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 Dimensions	PCI-Express M.2 MiniCard Type 2230 : 2.3 x 22.0 x 30.0 mm

Technical Specifications

	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	
	<ol style="list-style-type: none"> 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
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 Legacy

Modulation	0.01% BER	0.001% BER
GFSK	-80 dBm	-70 dBm
$\pi/4$ -DQPSK	-80 dBm	-70 dBm

Technical Specifications

	8DPSK	-80 dBm	-70 dBm
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			
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) ^{1,2}		
	Service Discovery Application Profile (SDAP)		
	Dial-Up Networking (DUN) ^{1,1}		
	Generic Object Exchange Profile (GOEP) ^{1,2}		
	Object Push Profile (OPP) ^{1,2}		
Certifications	Hard Copy Cable Replacement (HCRP) ^{1,2}		
Bluetooth Profiles Supported	Personal Area Networking Profile (PAN) ^{1,0}		
	Human Interface Device Profile (HID) ^{1,0}		
	Hands Free Profile (HFP) ^{1.5/1.6}		
	Advanced Audio Distribution Profile (A2DP) ^{1,3}		
	Audio Video Remote Control Profile (AVRCP) ^{1.3/1.4}		
Bluetooth V4.1/V4.2 support feature	V4.1: ESR5/6/7 compliant		

Technical Specifications

V4.2: ESR8 compliant, LE Secure Connection – Basic.

SERVICE AND SUPPORT

HP Services offers a 1-year 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 Services¹ are optional² 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. Service levels and response times for HP Care Services may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit <http://www.hp.com/go/cpc>
2. Sold separately or as an optional feature.

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)	5.97 W	6.13 W	6.01 W
Normal Operation (Long idle)	3.04 W	3.66 W	3.12 W
Sleep	0.46 W	0.49 W	0.39 W
Off	0.27 W	0.40 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



Technical Specifications

Normal Operation (Short idle)	20 BTU/hr	21 BTU/hr	21 BTU/hr
Normal Operation (Long idle)	10 BTU/hr	13 BTU/hr	11 BTU/hr
Sleep	2 BTU/hr	2 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	2.8	20
Fixed Disk – Random writes	2.8	20

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
- 1 SODIMM memory slot
- Optional expansion base docking station
- 1 multi-bay II storage port

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 the 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

Battery type:

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 (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 98.2% recycle-able when properly disposed of at end of life.

Packaging Materials

External:	PAPER/Corrugated	392.4 g
Internal:	PLASTIC/EPE (Expanded Polyethylene)	46.9 g
	PLASTIC/Polyethylene low density	12.1 g
	PLASTIC/Plast. Other	1.8

The plastic packaging material contains at least 30% recycled content.

The corrugated 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 (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

Technical Specifications

- 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/gcreport/index.html>

Eco-label certifications

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

ISO 14001 certificates:

<http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04755842>

and

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

COUNTRY OF ORIGIN

China



Summary of Changes

Cases

HP Essential Top Load Case (up to 15.6")	H2W17AA#xxx
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 3001pr USB 3 Port Replicator	F3S42AA
HP USB 3.0 Port Replicator G2 (Spin)	Y4H06AA#xxx

Input/Output

HP USB Travel Mouse	G1K28AA
HP Stylish Wireless KB/Mouse	H4B79AA
HP Stylish USB KB/Mouse	H4B80AA
HP X4000b Bluetooth Mouse	H3T50AA#xxx
HP HDMI to DVI Adapter	F5A28AA

Power

HP Notebook Power Bank	N9F71AA
HP 45W Smart AC Adapter (4.5mm)	H6Y88AA#xxx
HP DB06XL Notebook Battery	M0A68AA

Storage

HP External USB Optical Drive	F2B56AA
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Security

HP Keyed Cable Lock 10mm	T1A62AA
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