Overview

HP Chromebook x360 14 G1



- 1. Webcam LED
- 2. Webcam
- 3. Touch Pad
- 4. Power Button

Left

- 5. MicroSD Card Reader
- 6. Headphone / Microphone Combo Jack
- 7. AC Plug LED
- 8. USB-CTM 3.1 Gen 1 (Support charging, power delivery, video and data)

Overview



1. USB-CTM 3.1 Gen 1 (Support charging, power delivery, video and data)

- 2. **AC Plug LED**
- 3. USB-A 3.1 Gen 1

Right

- 4. Nano Security Lock Slot
- 5. **Volume Button**

At A Glance

- Sleek design with metal top cover and metal keyboard deck
- Intel®7th and 8th Generation processors
 - Pentium®, CoreTM i3, i5 or i7
- Audio by B&O
 AndroidTM Apps ready
- Two USB Type-CTM charging
 USB Type-CTM docking support
- Memory up to 16 GB
- Storage up to 64 GB
- Long battery life up to 13 hrs*
- 16 mm thin
- Weight starting at 1.6 kg (3.7 lbs)
- 14"? diagonal Full HD IPS narrow bezel, touch panel
- Backlit keyboard

*Testing conducted by HP using Google Chrome OS power LoadTest. Battery life will vary and the maximum capacity of the

Overview

battery will naturally decrease with time and usage. See http://www.chromium.org/chromium-os/testing/power-testing for test details.

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



PRODUCT NAME

HP Chromebook x360 14 G1

OPERATING SYSTEM

Preinstalled

Chrome OSTM

PROCESSOR

Intel® Celeron® processors

Intel® CoreTM i7-8650U with Intel® UHD Graphics 620 (1.9 GHz base frequency, up to 4.2 GHz with Intel® Turbo Boost Technology, 8 MB cache, 4 cores)^{1,2,3} Intel® CoreTM i5-8350U with Intel® UHD Graphics 620 (1.7 GHz base frequency, up to 3.6 GHz with Intel® Turbo Boost Technology, 6 MB cache, 4 cores) ^{1,2,3} Intel® CoreTM i3-8130U with Intel® UHD Graphics 620 (2.2 GHz base frequency, up to 3.4 GHz with Intel® Turbo Boost Technology, 4 MB cache, 2 cores) ^{1,2,3} Intel® Pentium® 4415U with Intel® HD Graphics 610 (2.3 GHz, 2 MB cache, 2 cores) ^{1,2}

Processor Family

8th Generation Intel® CoreTM i7 processor (i7-8650U) 8th Generation Intel® CoreTM i5 processor (i5-8350U) 8th Generation Intel® CoreTM i3 processor (i3-8130U) Intel® Pentium® processor

- 1. Multicore is designed to improve performance of certain software products. Not all customers or software applications will neces from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.
- 2. Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- 3. Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See http://www.intel.com/technology/turboboost for more information.

CHIPSET

Chipset is integrated with processor

Technical Specifications

GRAPHICS

Integrated

Intel® HD Graphics 610 ⁴
Intel® UHD Graphics 620 ⁴

NOTE: See processor section for details.

Supports

Support HD decode, DX12, HDMI 1.4b

4. HD content required to view HD images.

DISPLAY

Touch

35.56 cm (14") diagonal FHD IPS eDP BrightView Glass WLED-backlit slim-flat (3.0mm) touch screen, 220 cd/m², 67% sRGB (1920 x 1 Bezel 4,5

- 4. HD content required to view HD images.
- 5. Resolutions are dependent upon monitor capability, and resolution and color depth settings.

STORAGE AND DRIVES

Primary Storage

32 GB eMMC 5.0 ⁶ 64 GB eMMC 5.0 ⁶

6. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 5.1 GB is reserved for system software.

MEMORY

Memory Soldered Down

8 GB DDR4-2133 SDRAM (1 x 8 GB) on-board 16 GB DDR4-2133 SDRAM (1 x 16 GB) on-board

Memory Slots

Memory soldered on board



NETWORKING/COMMUNICATIONS

WLAN

Intel® Dual Band Wireless-AC 7265 802.11ac (2x2) WLAN and Bluetooth® 4.2 Combo, non-vPro^{TM 7}

Chromecast

Chromecast Support8

7. Wireless access point and Internet service required and sold separately.

Availability of public wireless access points limited.

8. Chromecast must be purchased separately.

AUDIO/MULTIMEDIA

Audio

B&O PLAY

2 Integrated stereo speakers

Camera

720p HD camera 4

4. HD content required to view HD images.

KEYBOARDS/TOUCHPAD

Keyboard

Full Size Textured island-style Keyboard Flint Silver, Backlit

Pointing Device

Multi-touch gesture support, taps enabled as default

SOFTWARE AND SECURITY

Preinstalled Software

Store up to 100 GB with Google Drive (2-year subscription included) ⁹ HP Classroom Manager ¹⁰

Security Management

H1 Security IC Nano Security Lock Slot ¹¹

- 9. Google Drive offer is tied to this device and is non-transferable. If this device is returned, the extra storage will be revoked. In order to redeem this offer, you will need to be on Chrome OSTM 23 or later. Internet access is required and not included. Additional information about storage plan refunds, renewals, cancellations and expiration is available at the Google website: https://support.google.com/chromebook/answer/2703646?hl=en
- 10. HP Classroom Manager is sold separately. Control and device locking from the teacher's desktop requires purchase of HP Classroom Manager.
- 11. Lock must be purchased separately.

Technical Specifications

POWER

Power Supply

HP Smart 45 W USB Type-CTM straight type AC adapter

Primary Battery

HP Long Life 3-cell, 60.9 Wh Li-ion 12

Power Cord

1 M length USB-C/power cord

Battery Life

Up to 13 hours¹³

Battery Weight

0.54 lb ¹² 0.24 kg ¹²

- 12. Battery is internal and not replaceable by customer. Serviceable by warranty.
- 13. 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 natur with time and usage. See http://www.bapco.com for additional details.

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.
- TCO Certified 5.0.

System
Configuration
Energy
Consumption
(in accordance
with US ENERGY
STAR® test

The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a "Typically Configured Notebook"?.

STAR® test			
method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Normal	4.76 W	4.40 W	4.62 W
Operation			
(Sort idle)			
Normal	1.56 W	1.40 W	1.40 W
Operation			
(Long idle)			
Sleep	0.60 W	0.65 W	0.60 W
Off	0.41 W	0.46 W	0.41 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.

Technical Specifications

Heat	115VAC, 60Hz	230VAC, 50Hz	100VAC, 50Hz
Dissipation*			
Normal	16 BTU/hr	15 BTU/hr	16 BTU/hr
Operation			
(Short idle)			
Normal	5 BTU/hr	5 BTU/hr	5 BTU/hr
Operation			
(Long idle)			
Sleep	2 BTU/hr	2 BTU/hr	2 BTU/hr
Off	1 BTU/hr	2 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	Sound Power	Sound Pressure	
Emissions	(L _{WAd} , bels)	(L _{pAm} , decibels)	
(in accordance			
with			
ISO 7779 and ISO			
9296)			
Typically	3	23	
Configured - Idle			
Fixed Disk -	3	23	
Random writes			
Batteries	This battery(s) in this product comply with EU Directive 2006/66/EC		

Batteries used in the product do not contain:

Mercury greater the1ppm by weight

Cadmium greater than 20ppm by weight

Battery size: CR2032 (coin cell)

Additional Information

Battery type: LithiuM

- 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 1% post-consumer recycled plastic (by wt.)
- This product is 96.7% recycle-able when properly disposed of at end of life.

Packaging Materials **External:** PAPER/Corrugated 281 g

Internal: PLASTIC/Polyethylene Expanded - EPE 66 g

PLASTIC/Polyethylene low density - 9 g

LDPE

PLASTIC/Polypropylene - PP 4 g

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)

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:

Technical Specifications

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

Product Weight

Starting at 3.7 lbs ¹⁴ Starting at 1.61 kg ¹⁴

Product Dimensions (W x D x H)

12.81 x 8.93 x 0.63 in 32.55 x 22.7 x 1.6 cm

14. Weight will vary by configuration.

PORTS/SLOTS

Ports

2 USB 3.1 Type-CTM (Charge and video support, data transfer, power delivery) 1 USB 3.1 Gen 1 (Charging) 1 Stereo headphone / microphone combo jack

Expansion Slots

1 MicroSD Supports SD, SDHC, SDXC

SERVICE AND SUPPORT

HP Services offers 1-year limited warranties and 90 day software limited warranty options depending on country. Batteries had one year limited warranty except for Long Life batteries which will have same 1-year or 3-year limited warranty as the platform http://www.hp.com/support/batterywarranty/ for additional battery information. On-site service and extended coverage is also HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose to of service for your HP product, use the HP Care Pack Services Lookup Tool at: http://www.hp.com/go/cpc. 15

15. HP Care Packs are sold separately. Service levels and response times for HP Care Packs may vary depending on your clocation. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit http://www.hp.com/ HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any we by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

SYSTEM UNIT

Technical Specifications

Power)

Average Operating Power < 6.9W

Integrated Graphics HD Graphics 610 (Kabylake U) UHD Graphics 620 (Kabylake-R)

Max Operating Power < 45W

Temperature Operating 41° to 95° F (5° to 35° C)

Non-operating -4° to 140° F (-20° to 60° C)

Relative Humidity Operating 10% to 90%

Relative Humidity Operating 10% to 90%
Non-operating 5% to 95%

Stand-Alone Power Requirements (AC Nominal Operating Voltage

 Altitude (unpressurized)
 Operating
 -50 to 10,000 ft (-15 to 3,048 m)

 Non-operating
 -50 to 40,000 ft (-15 to 12,192 m)

 Planned Industry Standard
 UL
 Yes

 Certifications
 CSA
 No

 FCC Compliance
 Yes

 ENERGY STAR®
 Yes¹⁶

SABS

EPEAT® 2019 Yes, Gold in U.S.¹⁷

15V

ICES Yes **Australia** Yes **NZ A-Tick Compliance** Yes CCC Yes **Japan VCCI Compliance** Yes KC Yes **BSMI** Yes **CE Marking Compliance** Yes **BNCI or BELUS** Yes CIT Yes **GOST** Yes Saudi Arabian Compliance Yes (ICCP)

16. Configurations of the HP Chromebook x360 14 G1 that are ENERGY STAR® certified are identified as HP Chromebook x360 14 G1 ENERGY stars and on http://www.energystar.gov.

Yes

17. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit http://w for more information.

DISPLAYS

Note: All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary eitl

Technical Specifications

Panel LCD 14 inch diagonal Outline Dimensions

FHD (1920x1080)

BrightView WLED UWVA 45% cg 220 nits eDP slim

NB

Outline Dimensions 315.81 x 197.57 mm (max) (W x H x D)

Active Area 309.31 x 173.99 mm

Weight 280g (max)
Diagonal Size 14.0 inch
Thickness 3.0mm
Interface eDP1.3
Surface Treatment Glare
Touch Enabled YES

Contrast Ratio 700:1 (typ)
Refresh Rate 60Hz

Brightness 220nits (typ) **Pixel Resolution** 1920 x 1080 FHD

Format of LCD Pixel Arrangement RGB Backlight LED

Color Gamut Coverage 72% of NTSC

Color Depth 6bit

Viewing Angle UWVA 85/85/85

STORAGE AND DRIVES

eMMC 5.0 Height 1.4mm

Width 11.5x13mm Interface MMC protocol

Transfer Rate HS400

Logical Blocks 32GB (31,268,536,320 Bytes)/64GB (62,537,072,640 Bytes)

Operating Temperature 0 to 70 degree

NETWORKING/COMMUNICATIONS

Intel® 2 7265 Wireless LAN Standards IEEE 802.11a 802.11a/b/g/n/ac (2x2) WLAN IEEE 802.11b and Bluetooth® 4 2 Combo¹ IEEE 802.11q

and Bluetooth® 4.2 Combo¹ IEEE 802.11g
vPro⁴ IEEE 802.11n
IEEE 802.11ac

InteroperabilityWi-Fi certifiedFrequency Band802.11b/g/n

• 2.402 - 2.482 GHz

802.11a/n

- 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
- **Data Rates** 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

Technical Specifications

802.11n: MCS 0 ~ MCS 15, (20MHz, and 40MHz)

802.11ac: MCS0 ~ MCS9, (1SS, and 2SS) (20MHz, 40M

80MHz)

Modulation **Direct Sequence Spread Spectrum**

BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM

mode only

AES-CCMP: 128 bit in hardware

802.1x authentication

WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, ar

IEEE and WiFi compliant 64 / 128 bit WEP encryption for

WPA2 certification

IEEE 802.11i

Cisco Certified Extensions, all versions through CCX4 a

WAPI

Network Architecture

Models

Security³

Ad-hoc (Peer to Peer)

Infrastructure (Access Point Required)

Roaming IEEE 802.11 compliant roaming between access points

Output Power² • 802.11b: +18.5dBm minimum

• 802.11g: +17.5dBm minimum

• 802.11a: +18.5dBm minimum

• 802.11n HT20(2.4GHz): +15.5dBm minimum

• 802.11n HT40(2.4GHz): +14.5dBm minimum • 802.11n HT20(5GHz): +15.5dBm minimum

• 802.11n HT40(5GHz): +14.5dBm minimum

• 802.11ac VHT80(5GHz): +11.5dBm minimum

Power Consumption

Transmit mode 2.0 W

Receive mode 1.6 W

Idle mode (PSP) 180 mW (WLAN Associated)

Idle mode 50 mW (WLAN unassociated)

Connected Standby 10mW

Radio disabled 8 mW

Power Management

ACPI and PCI Express compliant power management

802.11 compliant power saving mode

Receiver Sensitivity 3 802.11b, 1Mbps: -93.5dBm maximum

> 802.11b, 11Mbps: -84dBm maximum 802.11a/q, 6Mbps: -86dBm maximum 802.11a/g, 54Mbps: -72dBm maximum 802.11n, MCS07: -67dBm maximum 802.11n, MCS15: -64dBm maximum 802.11ac, MCS0: -84dBm maximum 802.11ac, MCS9: -59dBm maximum

Antenna type

High efficiency antenna with spatial diversity, mounted in the display en Two embedded dual band 2.4/5 GHz antennas are provided to the card to

MIMO communications and Bluetooth communications

Form Factor PCI-Express M.2 MiniCard

Dimensions Type 2230: 2.3 x 22.0 x 30.0 mm

Weight Type 2230: 2.8g **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.

 Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a rate of 10% for 802.11a/q (OFDM modulation).

 For full Intel® vProTM functionality, Windows, a vPro supported processor, vPro enabled chipset, WLAN card and discrete TPM 2.0 are required. See http://Intel.com/vpro

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)

Signaling Data Rate Legacy: 3 Mbps signaling data rate¹ 2.17 Mbps

BLE: 1 Mbps signaling data rate¹ 0.2 Mbps

1. Actual throughput may vary.

Legacy: Synchronous Connection Oriented links up to 3, 64 kbps, voice cl

Legacy: Asynchronous Connection Less links 2178.1 kbps/177.1 kbps as

DH5) or 864 kbps symmetric (3-EV5)

Transmit Power The Bluetooth component shall operate as a Class II Bluetooth device wit

transmit power of + 4 dBm for BR and EDR.

Power Consumption Peak (Tx) 330 mW

Peak (Rx) 230 mW

Selective Suspend 17 mW

Electrical Interface USB 2.0 compliant

Bluetooth Software Supported Linux kernel version

Link Topology

teu Liliux kerriet version

Power Management Intel CNVi/BRI HW power management

Certifications FCC (47 CFR) Part 15C, Section 15.247 & 15.249

Power ManagementETS 300 328, ETS 300 826CertificationsLow Voltage Directive IEC950

UL, CSA, and CE Mark

Bluetooth Profiles Supported BT4.1-ESR 5/6/7 Compliance

LE Link Layer Ping LE Dual Mode LE Link Layer

LE Low Duty Cycle Directed Advertising LE L2CAP Connection Oriented Channels

Train Nudging & Interlaced Scan BT4.2 ESR08 Compliance LE Secure Connection- Basic/Full LE Privacy 1.2 -Link Layer Privacy

Technical Specifications

LE Privacy 1.2 -Extended Scanner Filter Policies

LE Data Packet Length Extension

FAX Profile (FAX)

Basic Imaging Profile (BIP)2 Headset Profile (HSP) Hands Free Profile (HFP)

Advanced Audio Distribution Profile (A2DP)

POWER

45 W PD AC adapter **Dimensions** $(H \times W \times D)$ 94 x 43 x 27.8mm

> Weight 200a

Input 100 to 240 VAC

> **Input Efficiency** 5V/81.5%; 9V/86.7%; 12V/87.4%; 15V/87.8%

> > (measured at 115Vac/60Hz and 230Vac/50Hz)

Input frequency range 47 ~ 63 Hz

Input AC current 1.4 Amperes RMS at 90 VAC

Output Output power 45W

> DC output 5V; 9V; 12V; 15V Hold-up time 5ms at 115 Vac input

Output current limit The power supply shall limit the maximum steady

state output current to an average current of 5

Amperes. (OCP Interval: 30mS Minimum)

USB Type-CTM Connector

Operating Environmental Design 32°F to 95°F(0°C to 35°C) temperature

> Non-operating (storage) -4°F to 185°F (-20°C to 85°C)

temperature

Altitude 1 to 16,400 ft (0 to 5000m)

Humidity 20% to 95% **Storage Humidity** 10% to 95%

EMI and Safety *CE Mark - full compliance with LVD and EMC directives

Certifications * Worldwide safety standards - IEC60950, EN60950, UL60950, Class1, SELV;

Agency approvals - C-UL-US, NORDICS, DENAN, EN55022 Class B, FCC Class B,

CISPR22 Class B, CCC, NOM-1 NYCE.

* MTBF - over 200,000 hours at 25°C ambient condition.

HP 3-cell Long Life Li-Ion (60 WHr)

Dimensions 4.34 x 267.7 x 116.11 mm (0.17 x 10.54 x 4.57 inch)

Weight 0.245 kg (0.54 lb)

Cells/Type 3cell Lithium-Ion Polymer cell / 368598

Voltage 11.55V **Amp-hour capacity** 5.275Ah **Watt-hour capacity** 60.9Wh

Operating (Charging) 32° to 113° F (0° to 45° C) Operating (Discharging) 14° to 122° F (-10° to 60° C)

Optional Travel Battery

Available

No

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

Category	Description	Part Number
Cases	HP Essential Top Load Case (up to 15.6")	
	HP Essential Backpack (up to 15.6")	H1D24AA
	HP Business Slim Top Load	2SC65AA
	HP 14.0 Always On Black Case	3YF54AA
Docking	HP USB-C Mini Dock	1PM64AA
	HP Elite USB-C Dock G5	5TW10AA
	HP USB-C Universal Dock G2	5TW13AA
Input Devices	HP USB-C to RJ45 Adapter	V7W66AA#xxx
	HP USB-C to HDMI 2.0 Adapter	1WC36AA
	HP USB-C to USB HUB	Z6A00AA
	HP USB to RJ45 Adapter	N7P47AA
	HP Stereo USB Headset	T1A67AA
	HP Stereo 3.5mm Headset	T1A66AA
	HP 3-Button Laser Mouse	H4B81AA#xxx
	HP USB Optical Travel mouse	G1K28AA
HP 3-Button Laser Mouse		H4B81AA
	HP Ultra Mobile Wireless Mouse	H6F25AA
	HP Slim Bluetooth Mouse	F3J92AA#xxx
Power	65W USB-C Slim Power adapter	3PN48AA
	HP Notebook USB-C Power Bank	2NA10AA
	HP 45W USB-C G2 Power Adapter	1MZ01AA#ABA
Storage	HP External USB Optical Drive	F2B56AA
Security	HP Nano Keyed Cable Lock	1AJ39AA
Displays	HP ProDisplay P240va 23.8 inch Monitor	N3H14AA
	HP ProDisplay P232 23 inch Monitor	K7X31AA
	HP EliteDisplay E223 21.5 inch Monitor	1FH45AA
	HP EliteDisplay E243 23.8-inch Monitor	1FH47AA



Summary of Changes

Date of change:	Version History:		Description of change:
January 22, 2019	From v1 to v2	Updated	Docking
February 21, 2019	From v2 to v3	Added	Environmental tab
March 27, 2019	From v3 to v4	Added	Battery Life
April 23, 2019	From v4 to v5	Added	Networking Section Chromecast
August 26, 2019	From v5 to v6	Updated	Security Lock Slot, EPEAT and vPro disclaimers

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