

Overview

HP Chromebook Enterprise 14 G6



1. Microphones (2)
2. HD Camera
3. Privacy Camera (Optional)
4. Camera LED

Left

5. Touch Pad
6. USB Type-A™ 3.1 Gen1 Port
7. HDMI 2.0
8. Nano Security Lock Slot

Overview



1. Power Button
2. USB Type-C™ 3.1 Gen1 Port
(Support charging, Power delivery, Video, Data)
3. USB Type-A™ 3.1 Gen1 Port

Right

4. Micro SD (Optional)
5. Headphone / Microphone Combo Jack

Overview

AT A GLANCE

- Chrome Enterprise Upgrade embedded¹
- Support latest Intel® Core™ Celeron® quad core processors
- Up to 8 GB memory and 128 GB eMMC storage options
- Fast data transfer in dense classroom environments by having 2x2 WLAN with MIMO and Extended Wide Range Antenna design
- Optional backlit keyboard
- Narrow bezel display design
- Optional touchscreen for intuitive interactions
- Optional HP Privacy Camera
- Fast charging technology with long-life battery
- One HDMI port to connect to displays and projectors without dongle
- USB Type-C™ docking support
- 18.35 mm thin (.72 inches measured at the hinge)
- Weight starting at 1.54 kg (3.39 lb)
- Battery life up to 13 hours and 30 minutes²
- Front-facing 720p HD camera comes with two microphones
- Android Apps ready (may require purchase, Internet access required)

1. Single Chrome Enterprise Upgrade included. Requires one-time setup, subscription, Google Admin Console, and your organization's domain. Please see <https://support.google.com/a/answer/60216>.
2. Testing conducted by HP using Google Chrome OS power_LoadTest. Battery life will vary and the maximum capacity of the 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.

Technical Specifications

PRODUCT NAME

HP Chromebook Enterprise 14 G6

OPERATING SYSTEM

Preinstalled Chrome OS™ 64-bit with Chrome Enterprise Upgrade*

*Single Chrome Enterprise Upgrade included. Requires one-time setup, subscription, Google Admin Console, and your organization's domain. Please see <https://support.google.com/a/answer/60216>

PROCESSOR

Intel® Celeron® N4120 with Intel® UHD Graphics 600 (1.1 GHz base frequency, up to 2.5 GHz boost frequency, 4 MB cache, 4cores)^{1,2,3}
Intel® Celeron® N4020 with Intel® UHD Graphics 600 (1.1 GHz base frequency, up to 2.7 GHz boost frequency, 4 MB cache, 2cores)^{1,2,3}

Processor Family

Intel® Celeron® processor (N4120, N4020)

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, 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

GRAPHICS

Integrated

Intel® UHD Graphics 600⁴

Supports

Support HD decode, DX12, HDMI 1.4b⁴

4. HD content required to view HD images.

Technical Specifications

DISPLAY

Non-Touch

35.56 cm (14") diagonal HD SVA anti-glare LED-backlit, 220 nits, 45% NTSC (1366 x 768), Narrow Bezel
35.56 cm (14") diagonal HD SVA anti-glare LED-backlit, 220 nits, 45% NTSC (1366 x 768), Narrow Bezel, Privacy Shutter
35.6 cm (14") diagonal FHD IPS anti-glare LED-backlit, 250 nits, 45% NTSC (1920 x 1080), Narrow Bezel
35.6 cm (14") diagonal FHD IPS anti-glare LED-backlit, 250 nits, 45% NTSC (1920 x 1080), Narrow Bezel, Privacy Shutter

Touch

35.56 cm (14") diagonal HD SVA BrightView LED-backlit TOP touch, 220 nits, 45% NTSC (1366 x 768), Narrow Bezel^{4,5}
35.56 cm (14") diagonal HD SVA BrightView LED-backlit TOP touch, 220 nits, 45% NTSC (1366 x 768), Narrow Bezel, Privacy Shutter^{4,5}
35.56 cm (14") diagonal FHD SVA anti-glare LED-backlit TOP touch, 250 nits, 45% NTSC (1920 x 1080), Narrow Bezel^{4,5}
35.56 cm (14") diagonal FHD SVA anti-glare LED-backlit TOP touch, 250 nits, 45% NTSC (1920 x 1080), Narrow Bezel, Privacy Shutter^{4,5}

HDMI

HDMI v1.4b supporting: up to 1920x1080

Displays support

support dual displays through HP docks⁶

4. HD content required to view HD images.

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

6. Sold separately or as an optional feature.

STORAGE AND DRIVES

Primary Storage

16 GB eMMC 5.0⁷
32 GB eMMC 5.0⁷
64 GB eMMC 5.0⁷
128 GB eMMC 5.0⁷

7. For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 8.1 GB is not user available

MEMORY

Maximum Memory

8 GB LPDDR4-2400 SDRAM

Memory

4 GB LPDDR4-2400 SDRAM
8 GB LPDDR4-2400 SDRAM

Memory Slots

On-board system memory
Supports Dual Channel Memory

NETWORKING/COMMUNICATIONS



Technical Specifications

WLAN

Intel® Dual Band Wireless-AC 9560 802.11 ac (2x2) Wi-Fi® and Bluetooth® 5 Combo, non-vPro™⁸
MU-MIMO supported⁹

8. Wireless access point and internet service required and sold separately. Availability of public wireless access points limited.
9. Multiple-Input Multiple-Output (MIMO) is a wireless technology that uses multiple transmitters and receivers to enhance data transfer. MIMO requires a MU-MIMO router, sold separately.

AUDIO/MULTIMEDIA

Audio

HD audio
Dual stereo speakers
Integrated dual array microphone

Camera

720p HD camera⁴
HP Privacy Camera (Optional)

4. HD content required to view HD images.

KEYBOARD / POINTING DEVICES











Keyboard

Full-size island-style Chrome keyboard, Cool Gray, spill resistant
Full-size island-style Chrome keyboard, backlit, Cool Gray, spill resistant¹⁰

Pointing Device

Touchpad with multi-touch gesture support
Taps enabled as default

Function Keys

-  Go to the previous page
-  Go to the next page
-  Refresh your current page
-  Make your page take up the full screen
-  Show all your open windows
-  Decrease screen brightness
-  Make the screen brighter
-  Turn off the sound
-  Lower the volume
-  Raise the volume

10. Backlit keyboard is an optional feature.

Technical Specifications

SOFTWARE AND SECURITY

Preinstalled Software

Store up to 100 GB with Google Drive (2-year subscription included)¹¹

Manageability Features

Chrome Enterprise Upgrade^{12, 13}

Security Management

Google H1 Security Chip

Zero-Touch Enrollment capable

Nano Security Lock¹²

11. 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 OS™ 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>.

12. Sold separately.

13. Requires one-time setup, subscription, Google Admin Console, and your organization's domain. Please see <https://support.google.com/a/answer/60216>.

POWER

Power Supply

AC Adapter 45 Watt nPFC Standard USB type C Straight¹⁴

Primary Battery

HP Long Life 2-cell, 47.36 Wh Li-ion; support fast charge¹⁵

Power Cord

3-wire plug - 1 m

Battery life

Up to 13 hours and 30 minutes¹⁶

14. Availability may vary by country.

15. Battery is internal and not replaceable by customer. Serviceable by warranty.

16. Testing conducted by HP using Google Chrome OS power LoadTest. Battery life will vary and the maximum capacity of the battery will naturally decrease with time and usage. See <http://www.chromium.org/chromium-os/testing/power-testing> for test details.

WEIGHTS & DIMENSIONS

Product Weight

Starting at 1.54 kg (3.39 lb)¹⁷

Product Dimensions (w x d x h)

32.65 x 22.7 x 1.83 cm

12.85 x 8.94 x .72 in

Technical Specifications

17. Weight will vary by configuration.

PORTS/SLOTS

Ports

- 1 USB 3.1 Type-C™ Gen 1 (Charging, power delivery, video, data)
- 2 USB 3.1 Type-A™ Gen 1
- 1 HDMI 2.0
- 1 Headphone/Microphone Combo Jack

Expansion Slots

- 1 multi-format digital media reader (Optional)
 - Supports SD, SDHC, SDXC
 - Push-Push Insertion/Removal
-

Technical Specifications

SERVICE AND SUPPORT

HP Services offers 1-year limited warranties and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. Refer to <http://www.hp.com/support/batterywarranty/> for additional battery information. 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>.¹⁸

18. HP Care Packs are sold separately. 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 <http://www.hp.com/go/cpc>. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

Technical Specifications

SYSTEM UNIT

Stand-Alone Power Requirements (AC Power)	USB-C 45 W adapter
	Nominal Operating Voltage 15 V
	Average Operating Power < 4.5 W
	Integrated Graphics HD Graphics 600 12EUs
	Max Operating Power < 45 W
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%
	Non-operating 5% to 95%
Shock	Operating 40 G, 2 ms, half-sine
	Non-operating 240 G, 2 ms, half-sine
Random Vibration	Operating 1.043 grms
	Non-operating 3.5 grms
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 Certifications	UL Yes
	FCC Compliance Yes
	ENERGY STAR® Yes ²¹
	EPEAT® 2019 Yes, Silver in U.S. ²²
	ICES Yes
	Australia / Yes
	NZ RCM Compliance Yes
	CCC Yes
	KC Yes
	BSMI Yes
	CE Marking Compliance Yes
	EAC Yes
	Saudi Arabian Compliance (ICCP) Yes
	SABS Yes

21. Configurations of the HP ChromeBook Enterprise 14 G6 that are ENERGY STAR® qualified are identified as HP ChromeBook Enterprise 14 G6 ENERGY STAR on HP websites and on <http://www.energystar.gov>.

22. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit <http://www.epeat.net> for more information.

Technical Specifications

DISPLAYS

Note: All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

14 inch diagonal FHD (1920 x 1080) Anti-Glare WLED UWVA 45% NTSC 250 nits eDP slim NB	Outline Dimensions (W x H x D)	316.11 x 197.98 max.
	Active Area	309.31 x 173.99 (mm)
	Weight	285 g max.
	Diagonal Size	14.0 (inch)
	Thickness	3.0 (mm) max
	Interface	eDP1.2
	Surface Treatment	Anti-glare (AG)
	Contrast Ratio	600:1 (typical)
	Refresh Rate	60Hz
	Brightness	250 nit typical (Panel Only)
	Pixel Resolution	1920 x 1080 (FHD)
	Format of LCD Pixel Arrangement	RGB
	Backlight	LED
	Color Gamut Coverage	45% of NTSC
	Color Depth	6-bit
Viewing Angle	UWVA 85/85/85/85	

14 inch diagonal FHD (1920 x 1080) Anti-Glare WLED UWVA 45% NTSC 250 nits eDP slim Touch on Panel NWBZ	Outline Dimensions (W x H x D)	316.17 x 198.07 (mm) max
	Active Area	309.37 x 174.02 (mm)
	Weight	290 g max
	Diagonal Size	14.0 (inch)
	Thickness	3.0 (Panel Side); 3.2 (PCBA Side)(mm) max
	Interface	eDP 1.2
	Surface Treatment	Anti-glare (AG)
	Touch Enabled	Yes
	Contrast Ratio	600:1 (typical)
	Refresh Rate	60Hz
	Brightness	250 nit typical (Panel Only)
	Pixel Resolution	1920 x 1080 (FHD)
	Format of LCD Pixel Arrangement	RGB
	Backlight	LED
	Color Gamut Coverage	45% of NTSC
Color Depth	6 bits	
Viewing Angle	UWVA 85/85/85/85	

14 inch diagonal HD (1366 x 768) BrightView WLED SVA 45% NTSC 220	Outline Dimensions (W x H x D)	316.2 x 198.04 max. (w/ PCB)
	Active Area	309.4 x 173.95 (mm)
	Weight	290 g max

Technical Specifications

nits slim Touch on Panel NWBZ	Diagonal Size	14.0 (inch)
	Thickness	3.0 (Panel Side); 3.2 (PCBA Side)(mm) max
	Interface	eDP 1.2
	Surface Treatment	BV
	Touch enabled	Yes
	Contrast Ratio	500:1 (typical)
	Refresh Rate	60 Hz
	Brightness	220 nit typical (Panel Only)
	Pixel Resolution	1366 x 768
	Format of LCD Pixel Arrangement	RGB
	Backlight	LED
	Color Gamut Coverage	45% of NTSC
	Color Depth	6 bits
Viewing Angle	SVA 45/45/15/30	

14.0" diagonal HD SVALED-backlight; 220 nits 45% NTSC (1366 x 768)	Outline Dimensions (W x H x D)	316.2 x 186 (mm) max
	Active Area	309.4 x 173.95 (mm)
	Weight	280 g max.
	Diagonal Size	14.0 (inch)
	Thickness	3.0 (mm) max
	Interface	eDP 1.2
	Surface Treatment	Anti-glare (AG)
	Touch enabled	None
	Contrast Ratio	500:1 (typical)
	Refresh Rate	60 Hz
	Brightness	220 nit typical
	Pixel Resolution	1366 x 768 (HD)
	Format of LCD Pixel Arrangement	RGB
	Backlight	LED
	Color Gamut Coverage	45% of NTSC
Color Depth	6 bits	
Viewing Angle	45/45/20/45	

Technical Specifications

STORAGE AND DRIVES*

16 G emmc	Capacity	16 GB
	Height	1.4 mm
	Width	11.5 x 13 mm
	Interface	MMC potocal
	Maximum Sequential Read	Up to 250 MB/s
	Maximum Sequential Write	Up to 70 MB/s
	Logical Blocks	16 GB (15,758,000,128 Bytes)
	Operating Temperature	0 to 70
	Features	HS400

32 G emmc	Capacity	32 GB
	Height	1.4 mm
	Width	11.5 x 13 mm
	Weight	0.2 g
	Interface	MMC potocal
	Maximum Sequential Read	Up to 250 MB/s
	Maximum Sequential Write	Up to 70 MB/s
	Logical Blocks	32 GB (31,268,536,320 Bytes)
	Operating Temperature	0 to 70
Features	HS400	

64 G emmc	Capacity	64 GB
	Height	1.4 mm
	Width	11.5 x 13 mm
	Interface	MMC potocal
	Maximum Sequential Read	Up to 250 MB/s
	Maximum Sequential Write	Up to 70 MB/s
	Logical Blocks	64 GB (62,537,072,640 Bytes)
	Operating Temperature	0 to 70
	Features	HS400

Technical Specifications

128 G emmc	Capacity	128 GB
	Height	1.4 mm
	Width	11.5 x 13 mm
	Weight	0.2 g
	Interface	MMC potocal
	Maximum Sequential Read	Up to 250 MB/s
	Maximum Sequential Write	Up to 150 MB/s
	Logical Blocks	116.48 GB (125,074,145,280 Bytes)
	Operating Temperature	0 to 70
	Features	HS400

*For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 8.1 GB is not user available

Technical Specifications

NETWORKING/COMMUNICATIONS

<p>Intel® 9560 802.11a/b/g/n/ac (2 x 2) Wi-Fi® and Bluetooth® 5.0 Combo¹ non-vPro</p>	<p>Wireless LAN Standards</p>	<p>IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n IEEE 802.11ac IEEE 802.11d IEEE 802.11e IEEE 802.11h IEEE 802.11i IEEE 802.11k IEEE 802.11r IEEE 802.11v</p>
	<p>Interoperability</p>	<p>Wi-Fi certified</p>
	<p>Frequency Band</p>	<ul style="list-style-type: none"> •802.11b/g/n 2.402 – 2.482 GHz •802.11a/n/ac 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>Data Rates</p>	<ul style="list-style-type: none"> •802.11b: 1, 2, 5.5, 11 Mbps •802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps •802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps •802.11n: MCS 0 ~ MCS 15, (20MHz, and 40MHz) •802.11ac: MCS0 ~ MCS9, (1SS, and 2SS) (20MHz, 40MHz & 80MHz)
	<p>Modulation</p>	<p>Direct Sequence Spread Spectrum BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM</p>
	<p>Security³</p>	<ul style="list-style-type: none"> •IEEE 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 •WAPI
	<p>Network Architecture Models</p>	<p>Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)</p>
	<p>Roaming</p>	<p>IEEE 802.11 compliant roaming between access points</p>
	<p>Output Power²</p>	<ul style="list-style-type: none"> • 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

Technical Specifications

	<ul style="list-style-type: none"> • 802.11n HT40(5GHz): +14.5dBm minimum • 802.11ac VHT80(5GHz): +11.5dBm minimum • 802.11ac VHT160(5GHz): +11.5dBm minimum
Power Consumption	<ul style="list-style-type: none"> • 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/Modern Standby: 10 mW • Radio disabled: 8 mW
Power Management	ACPI and PCI Express compliant power management 802.11 compliant power saving mode
Receiver Sensitivity ³	<p>802.11b, 1Mbps: -93.5dBm maximum</p> <p>802.11b, 11Mbps: -84dBm maximum</p> <p>802.11a/g, 6Mbps: -86dBm maximum</p> <p>802.11a/g, 54Mbps: -72dBm maximum</p> <p>802.11n, MCS07: -67dBm maximum</p> <p>802.11n, MCS15: -64dBm maximum</p> <p>802.11ac, MCS0: -84dBm maximum</p> <p>802.11ac, MCS9: -59dBm maximum</p>
Antenna type	High efficiency antenna with spatial diversity, mounted in the display enclosure Two embedded dual band 2.4/5 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications
Form Factor	PCI-Express M.2 MiniCard with CNVi Interface
Dimensions	<p>1. Type 2230: 2.3 x 22.0 x 30.0 mm</p> <p>2. Type 1216: 1.67 x 12.0 x 16.0 mm</p>
Weight	<p>1. Type 2230: 2.8 g</p> <p>2. Type 1216: 1.3 g</p>
Operating Voltage	3.3 v +/- 5%
Temperature	<p>Operating: 14° to 158° F (-10° to 70° C)</p> <p>Non-operating: -40° to 176° F (-40° to 80° C)</p>
Humidity	<p>Operating: 10% to 90% (non-condensing)</p> <p>Non-operating: 5% to 95% (non-condensing)</p>
Altitude	<p>Operating: 0 to 10,000 ft (3,048 m)</p> <p>Non-operating: 0 to 50,000 ft (15,240 m)</p>
LED Activity	<p>LED Amber – Radio OFF</p> <p>LED OFF – Radio ON</p>
HP Integrated Module with Bluetooth 4.0/4.1/4.2/5.0 Wireless Technology	
Bluetooth Specification	4.0/4.1/4.2/5.0 Compliant
Frequency Band	2402 to 2480 MHz
Number of Available Channels	<p>Legacy: 0~79 (1 MHz/CH)</p> <p>BLE: 0~39 (2 MHz/CH)</p>
Signaling Data Rate	<p>Legacy: 3 Mbps signaling data rate¹ 2.17 Mbps</p> <p>BLE: 1 Mbps signaling data rate 0.2 Mbps</p>

Technical Specifications

1. Actual throughput may vary.

	Legacy: Synchronous Connection Oriented links, 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.
Power Consumption	Peak (Tx): 330 mW Peak (Rx): 230 mW Selective Suspend: 17 mW
Bluetooth Software Supported	Linux kernel version
Link Topology	
Power Management	Intel CNVi/BRI HW power management
Certifications	FCC (47 CFR) Part 15C, Section 15.247 & 15.249
Power Management Certifications	ETS 300 328, ETS 300 826 Low 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 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)

1. Wireless access point and Internet service is required. Availability of public wireless access point is limited.
2. The FCC has declared as of September 1, 2014 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.
3. Check latest software/driver release for updates on supported security features.
4. 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).

Technical Specifications

POWER

45 W PD AC adapter	Dimensions (H x W x D)	95 mm x 43 mm x 27.5 mm	
	Weight	200 g +/-10% Not including power cord. Power cord varies by country	
	Input	100 to 240 VAC	
		Input Efficiency	Average Efficiency of 25%, 50%, 75%, 100% load condition with 115Vac/230Vac Spec: 5V: 81.5% 9V: 86.7% 12V: 87.41% 15V: 87.8%
		Input frequency range	47 ~ 63Hz
		Input AC current	Max. 1.4 A at 90 Vac
	Output	5V/15W 9V/27W 12V/36W 15V/45W	
		Output power	5V/9V/12V/15V
		DC output	5 ms at 115 Vac input
		Hold-up time	<5.0 A by each outputs
		Output current limit	<5.0 A by each outputs
	Connector	USB Type-C™	
	Environmental Design	Operating temperature	32°F to 95°F (0°C to 35°C)
	Non-operating (storage) temperature	-4°F to 185°F (-20°C to 85°C)	
	Altitude	0 to 16,400 ft (0 to 5000m)	
	Humidity	20% to 95%	
	Storage Humidity	10% to 95%	
EMI and Safety Certifications	CE Mark - full compliance with LVD and EMC directives 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 2-cell Long Life Li-Ion (47 Whr)	Dimensions (H x W x L)	5.2 x 240.8 x 76.4 mm (0.204 x 9.48 x 3 inch)
	Weight	0.19 kg (0.418 lb)
	Cells/Type	2cell Lithium-Ion Polymer cell / 4473A9
	Voltage	7.7 V
	Amp-hour capacity	6.15 Ah
	Watt-hour capacity	47.3 Wh
	Operating (Charging)	32° to 113° F (0° to 45° C)
	Operating (Discharging)	14° to 122° F (-10° to 60° C)
	Warranty	1-year
	Optional Travel Battery Available	No

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

Category	Description	Part Number
Cases	HP Business Slim Top Load	2SC65AA
	HP Black Always On Case 14"	3YF54AA
	HP Essential Top Load Case (Up to 15.6")	H2W17AA
	HP Essential Backpack (Up to 15.6")	H1D24AA
Docking	HP USB-C Travel Dock G2	7PJ38AA
	HP E24d G4 Advanced Docking monitor	6PA50AA
	HP E27d G4 Advanced Docking monitor	6PA56AA
Input/output	HP 3-Button Laser Mouse	H4B81AA
	HP Ultra Mobile Wireless Mouse	H6F25AA
	HP USB Optical Travel mouse	G1K28AA
	HP Essential USB Mouse	2TX37AA
	HP Stereo USB Headset	T1A67AA
	HP Stereo 3.5mm Headset	T1A66AA
	HP USB-C to DP	N9K78AA
	HP USB-C to HDMI 2.0 Adapter	1WC36AA
	HP USB-C to USB HUB	Z6A00AA
	HP USB to RJ45 Adapter	N7P47AA
	HP 4.5mm and USB-C Dock Adapter G2	6LX61AA/UT
HP USB-C Travel Dock G2	7PJ38AA	
Power	HP 45W USB-C G2 Power Adapter	1MZ01AA
	65W USB-C Slim Power adapter	3PN48AA
	HP Notebook USB-C Power Bank	2NA10AA
Storage	HP External USB Optical Drive	F2B56AA
Security	HP Nano Keyed Cable Lock	1AJ39AA
	HP Sure Key Cable Lock	6UW42AA

Summary of Changes

Date of change:	Version History:		Description of change:
February 21, 2020	V1 to V2	Updated	Docking Section
March 17, 2020	V2 to V3	Updated	Accessories Section
March 24, 2021	V3 to V4	Updated	Micro SD card reader
August 3, 2021	V4 to V5	Add	Zero Touch Enrollment in Security Management
October 22, 2021	V5 to V6	Update	Software and Security section

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