

Overview

HP Chromebook 14 G5



Left

- 1. Webcam LED
- 2. Webcam
- 3. Internal microphone
- 4. Power button
- 5. USB Type-C™
- 6. USB 3.1 Gen 1
- 7. Micro SD Card reader
- 8. Audio combo jack
- 9. Touchpad

Overview



Right

1. USB 3.1 Gen 1
2. USB Type-C™
3. Nano Security lock slot

Overview

AT A GLANCE

- Enjoy affordable, convenient mobile productivity with latest Intel® Celeron® processor
- Sleek and durable 180° hinge
- Optional FHD IPS touchscreen for collaboration ²
- Designed to pass MIL-STD 810G testing ¹
- 2 USB-C™ ports for charging, power and data transfer, and 2 USB 3.1 Gen 1 ports for sleep and charge support
- Choice of up to 8 GB memory and 64GB eMMc storage
- Spill and pick resistant keyboard; optional backlit keyboard for low-light environment²
- HD webcam with wider view angle for meeting the group in conference
- HP USB-C docking with Power and video through ²
- Enjoy Android™ Apps* on Chrome OS™ ³
- Your Chromebook boots up within 10 seconds and you can be browsing online and working in Google Apps just moments later
- Store up to 100 GB of your files and content with Google Drive. Your own virtual hard drive is available anywhere the Internet is accessible with this complimentary two year promotion ⁴

1. MIL-STD testing is not final 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

2. Sold separately or as an optional feature.

3. The availability of Chrome OS System supporting Android Apps is dependent on Google's Chrome OS support, readiness timeline will be announced by Google <https://sites.google.com/a/chromium.org/dev/chromium-os/chrome-os-systems-supporting-android-apps>

4. This 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>

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

Features

PRODUCT NAME

HP ProBook 14 G5 Notebook PC

OPERATING SYSTEM

Preinstalled
Chrome OS™

PROCESSORS

Intel® Celeron® N3350 with Intel® HD Graphics 500 (1.1 GHz base frequency, up to 2.4 GHz burst frequency, 2 MB cache, 2 cores)⁵

Intel® Celeron® N3450 with Intel® HD Graphics 500 (1.1 GHz base frequency, up to 2.2 GHz burst frequency, 2 MB cache, 4 cores)⁵

5. 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® numbering is not a measurement of higher performance.

GRAPHICS

Integrated
Intel® HD Graphics 500⁶

6. HD content required to view HD images.

DISPLAY

Non-Touch

35.56 cm (14") diagonal HD SVA anti-glare WLED-backlit, 220 cd/m², 72% sRGB (1366 x 768)^{7,8}

35.56 cm (14") diagonal FHD IPS anti-glare WLED-backlit, 220 cd/m², 72% sRGB (1920 x 1080)^{7,8}

Touch

35.56 cm (14") diagonal HD SVA Brightview WLED-backlit touch screen, 220 cd/m², 72% sRGB (1366 x 768)^{7,8}

35.56 cm (14") diagonal FHD IPS Brightview WLED-backlit, 220 cd/m², 72% sRGB (1920 x 1080)^{7,8}

7. HD content required to view HD images.

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

Features

STORAGE AND DRIVES

Primary Storage

eMMC 5.0

16 GB⁹

32 GB⁹

64 GB⁹

9. For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. 5.1 GB of the eMMC are dedicated/allocated to the Chrome OS™ partition.

MEMORY

Maximum Memory

8 GB LPDDR4-2400 SDRAM

Memory soldered down

4 GB LPDDR4-2400 SDRAM

8 GB LPDDR4-2400 SDRAM

NETWORKING/COMMUNICATIONS

Broadband Wireless (WWAN)

WLAN

Intel® Dual Band Wireless-AC 7265 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 4.2 Combo, non-vPro™¹⁰

Integrated Wireless options with dual antennas.

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

AUDIO/MULTIMEDIA

Audio

HD audio; Dual speakers

Integrated dual array microphone

Camera

720p HD camera¹¹

11. HD content required to view HD images.

Features

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

Full-sized island-style, spill resistant, pick resistant.

Full-sized island-style, optional backlit, spill resistant, pick resistant

Pointing Devices

Touchpad with multi-touch gestures enabled. Taps enabled as default

SOFTWARE AND SECURITY

Preinstalled Software

Software Included

Store up to 100 GB with Google Drive (2-year subscription included)¹²

HP Classroom Manager

Security

H1 Security IC

Nano Security lock slot¹³

12. 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>

13. Lock must be purchased separately.

POWER

Power Supply

45 W USB Type-C™ straight type AC adapter

Primary Battery

HP Long Life 2-cell, 47.36 Wh Li-ion ¹⁴

Power Cord

Minimum 2.6M length USB-C/power cord

Battery Life

Up to 10 hours ¹⁵

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

15. Testing conducted by HP using Google Chrome OS power_LoadTest based on PV result (configuration is Intel® DC/ HD panel/ 4GB memory/ 64GB storage using Power_load test, battery life may vary for different configurations). 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.

Features

WEIGHT & DIMENSIONS

Weight

Starting at 3.39 lb (1.54 kg)¹⁶

Dimensions (w x d x h)

18.35 x 8.93 x 0.72 in (33.7 x 22.6 x 1.83 cm)

16. Weight will vary by configuration.

PORTS/SLOTS

Ports

2 USB 3.1 Type-C™

2 USB 3.1 Gen 1 (Sleep and Charge support)

1 headphone/microphone combo jack

Slots

1 micro SD (multi-format digital media reader)

Supports SD, SDHC, SDXC

SERVICE AND SUPPORT

HP Services offers a 1-year limited warranties and 90 day support options depending on country. Batteries have a default one year limited warranty. 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>.¹⁷

17. 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 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

DISPLAYS

14.0" HD WLED AntiGlare (1366x768) slim, SVA

Outline Dimensions (W x H x D)	320.9 x 205.6 (max) x 3.0 (max.) mm
Active Area	309.4 x 173.95 mm
Weight	280g max.
Diagonal Size	14"
Surface Treatment	AG
Touch enabled	No
Contrast Ratio	300:1 (typ. - AG)
Refresh Rate	60Hz
Brightness	220 nits typ. (Panel Only)
Format	RGB
Configuration	1366 x 768
Interface	eDP 1.2
LCD Mode	TN
PPI	112
Viewing Angle	SVA 40/40/15/30

14.0" HD WLED BrightView (1366x768) SVA slim TOP, Touch

Outline Dimensions (W x H x D)	320.9 x 205.6 (max) x 3.2 (max.) mm
Active Area	309.4 x 173.95 mm
Weight	275g max.
Diagonal Size	14"
Surface Treatment	BV
Touch enabled	Yes
Contrast Ratio	500:1 (typ. - AG)
Refresh Rate	60Hz
Brightness	200 nits typ. (Panel Only)
Format	RGB
Configuration	1366 x 768

Technical Specifications

Interface	eDP 1.2
LCD Mode	TN
PPI	112
Viewing Angle	SVA 40/40/15/30

14.0" FHD WLED AntiGlare (1920x1080) slim (3.0mm) UWVA, eDP

Outline Dimensions (W x H x D)	320.9 x 205.6 (max) x 3.0 (max.) mm
Active Area	309.31 x 173.99 mm
Weight	290g max.
Diagonal Size	14"
Surface Treatment	AG
Touch enabled	No
Contrast Ratio	600:1 (typ. - AG)
Refresh Rate	60Hz
Brightness	220 nits typ. (Panel Only)
Format	RGB
Configuration	19020x 1080
Interface	eDP 1.2
LCD Mode	IPS/FFS/AHVA
PPI	157
Viewing Angle	UWVA 85/85/85/85

14.0" FHD WLED BrightView (1920x1080) slim (3.0mm) UWVA, TOP Touch eDP

Outline Dimensions (W x H x D)	320.9 x 205.6 (max) x 3.2 (max.) mm
Active Area	309.31 x 173.99 mm
Weight	290g max.
Diagonal Size	14"
Surface Treatment	BV
Touch enabled	No

Technical Specifications

Contrast Ratio	800:1 (typ. - AG)
Refresh Rate	60Hz
Brightness	220 nits typ. (Panel Only)
Format	RGB
Configuration	19020x 1080
Interface	eDP 1.2
LCD Mode	IPS/FFS/AHVA
PPI	157
Viewing Angle	UWVA 85/85/85/85

NETWORKING/COMMUNICATIONS

WLAN

Intel® Stone Peak 2 7265 802.11a/b/g/n/ac (2x2) WiFi and Bluetooth® 4.2 Combo

Wireless LAN Standards	<ul style="list-style-type: none"> IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n IEEE 802.11ac
Frequency Band	<ul style="list-style-type: none"> 802.11b/g/n <ul style="list-style-type: none"> • 2.402 – 2.482 GHz 802.11a/n <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
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, and 2SS) (20MHz, 40MHz, and 80MHz)
Modulation	<ul style="list-style-type: none"> Direct Sequence Spread Spectrum BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM
Security	<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

Technical Specifications

	<ul style="list-style-type: none"> • Cisco Certified Extensions, all versions through CCX4 and CCX Lite • WAPI
Network Architecture Models	<p>Ad-hoc (Peer to Peer)</p> <p>Infrastructure (Access Point Required)</p>
Roaming	IEEE 802.11 compliant roaming between access points
Output Power	<ul style="list-style-type: none"> • 802.11b : +14dBm minimum • 802.11g : +12dBm minimum • 802.11a : +12dBm minimum • 802.11n HT20(2.4GHz) : +12dBm minimum • 802.11n HT40(2.4GHz) : +12dBm minimum • 802.11n HT20(5GHz) : +10dBm minimum • 802.11n HT40(5GHz) : +10dBm minimum • 802.11ac VHT80(5GHz) : +10dBm 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 10mW • Radio disabled 8 mW
Power Management	<p>ACPI and PCI Express compliant power management</p> <p>802.11 compliant power saving mode</p> <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	<p>High efficiency antenna with spatial diversity, mounted in the display enclosure</p> <p>Two embedded dual band 2.4/5 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications</p>
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	<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>

Technical Specifications

HP Integrated Module with Bluetooth 4.0/4.1/4.2 Wireless Technology

HP Integrated Module with Bluetooth 4.0/4.1/4.2 Wireless Technology	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.
Power Consumption	Peak (Tx) 330 mW Peak (Rx) 230 mW Selective Suspend 17 mW
Electrical Interface	USB 2.0 compliant
Bluetooth Software Supported	Microsoft Windows Bluetooth Software
Link Topology	
Power Management	Microsoft Windows ACPI, and USB Bus Support
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)

Technical Specifications

Advanced Audio Distribution Profile (A2DP)

POWER

HP 45W USB-C AC adapter

Dimensions	94.0mm*40.0mm*26.5mm
Weight	192.5g +/-10%
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 : 87.8% 15V : 87.8%
	Input frequency range
	47 ~ 63Hz
	Input AC current
	Max. 1.4 A at 90 Vac
Output	Output power
	5V/15W ; 9V/27W ; 12V/36W ; 15V/45W
	DC output
	5V/9V/12V/15V
	Hold-up time
	5ms at 115 Vac input
	Output current limit
	<5.0A
Connector	USB Type-C
Environmental Design	Operating temperature
	32°F to 95°F (0°C to 35°C)
	Non-operating 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)	3.89mm*240.8mm*76.4mm (0.153*9.48*3.01inch)
Weight	0.19kg (0.42lb)
Cells/Type	2 cell Lithium-Ion Polymer cell / 4473A9
Voltage	7.7V
Amp-hour capacity	6150mAH

Technical Specifications

Watt-hour capacity	47.3WH
Temperature	5°C~ 40°C
Operating (Charging)	0°C~ 45°C
Operating (Discharging)	-10°C~ 60°C
Warranty	Please check with MKT for Warranty
Optional Travel Battery Available	No

COUNTRY OF ORIGIN

China

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

Type	Description	Part Number	
Cases	HP Business Slim Top Load	H5M90AA	
	HP Essential Top Load Case (up to 15.6")	H2W17AA	
	HP Essential Backpack (up to 15.6")	H1D24AA	
Docking	HP USB-C Universal Dock	1MK33AA	
	HP USB-C Mini Dock	1PM64AA	
	HP USB-C Dock G4	3FF69AA	
Input/Output	HP 3-Button Laser Mouse	H4B81AA	
	HP Ultra Mobile Wireless Mouse	H6F25AA	
	HP USB Essential Keyboard/Mouse	H6L29AA	
	HP Ultra Mobile Wireless Mouse	H6F25AA	
	HP USB Optical Travel mouse	G1K28AA	
	HP Slim Bluetooth Mouse	F3J92AA	
	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	
	Power	HP 45W USB-C G2 Power Adapter	1MZ01AA#ABA
		HP Notebook USB-C Power Bank	2NA10AA
Storage	HP External USB Optical Drive	F2B56AA	
Security	HP Nano Keyed Cable Lock	1AJ39AA	
Displays	HP EliteDisplay S240n 23.8-inch Monitor	W9A88AA	
	HP EliteDisplay S270n 27-inch Monitor	2PD37AA	
	HP EliteDisplay E273q 27-inch Monitor	1FH52AA	
	HP EliteDisplay E273m 27-inch Monitor	1FH51AA	

Summary of Changes

Date of change:	Version History:		Description of change:
December 21, 2017	V1 to V2	Change	Power cord changed to 2.6m
January 9, 2018	V2 to V3	Added	Full-sized island-style, optional backlit, spill resistant, pick resistant

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