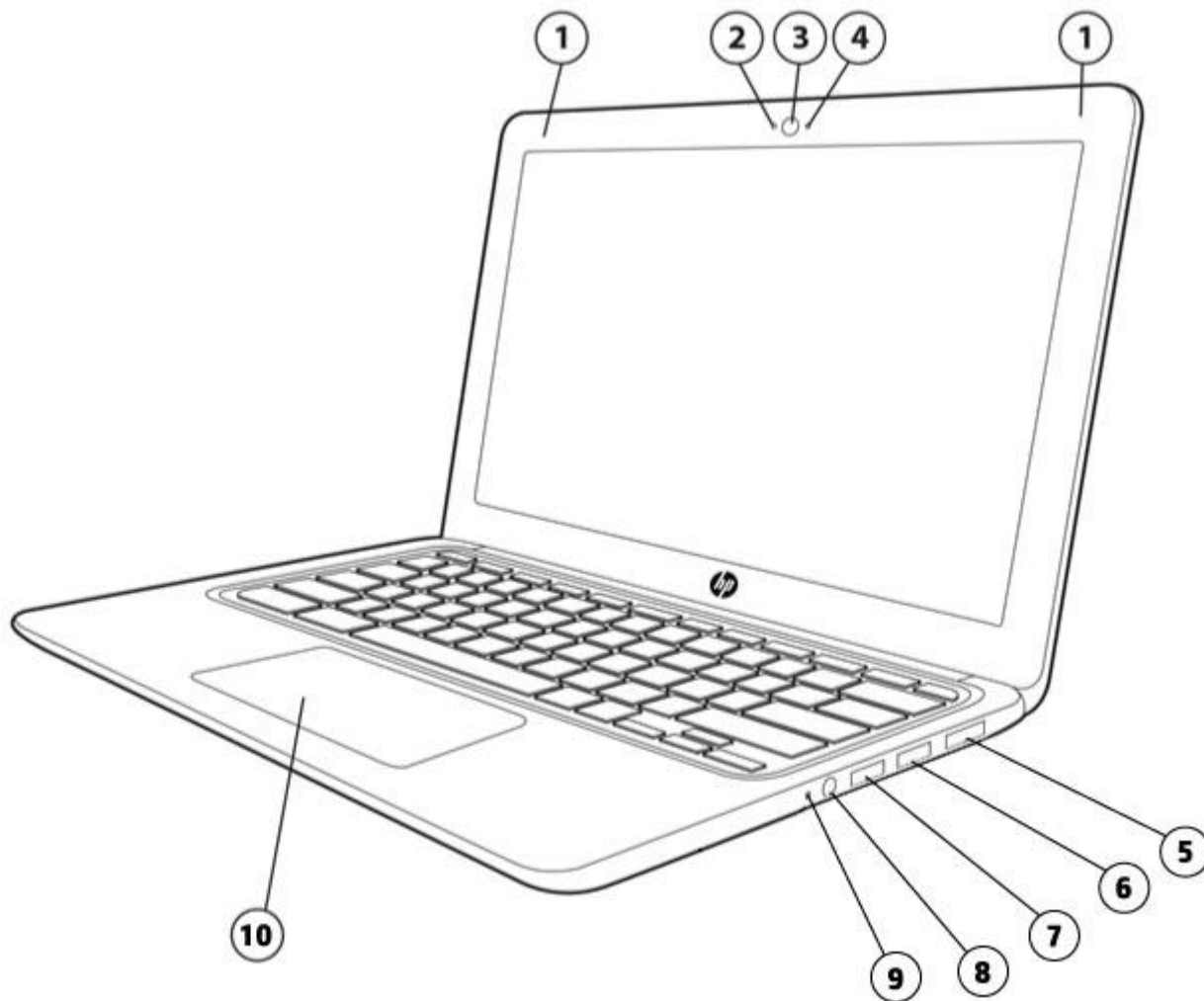


Overview

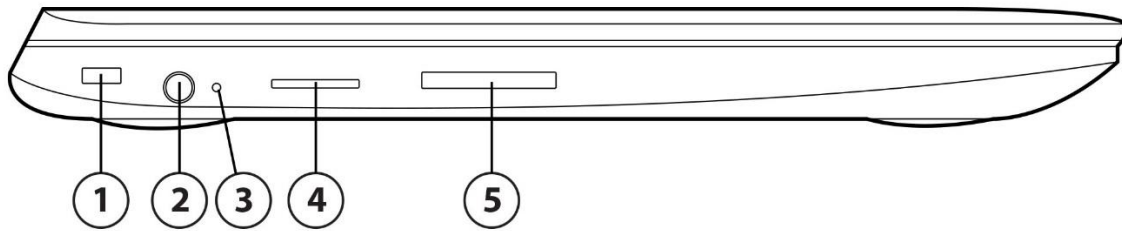
HP Chromebook 11 G4



Front Right View

- | | |
|------------------|------------------------------------|
| 1. WLAN antennas | 6. 3.0 USB charging port |
| 2. Microphone | 7. 2.0 USB port |
| 3. Webcam lens | 8. Headphone/Microphone combo jack |
| 4. Webcam LED | 9. Power LED |
| 5. HDMI | 10. Touch pad |

Overview



Left View

1. Security lock slot
2. AC Smart Pin adapter plug (4.5mm barrel)
3. AC Plug LED
4. SIM Card slot (WWAN models only)
5. Media Card reader

Overview

AT A GLANCE

- Make any space your office with the lightweight and mobile Chromebook 11G4
- 11.6" diagonal HD LED Anti-glare (1366x768) Display or 11.6" HD IPS Anti-glare (1366x768) Display
- Starting weight at 2.83 lbs. (1.28 kg) keeps you productive on the go without weighing down your messenger bag or taking up space.
- Your Chromebook boots up within 10 seconds and you can be browsing online and working in Google Apps just moments later.
- Enjoy affordable, convenient mobile productivity with Intel® processors.
- Up to 9 hours and 30 minutes of battery life to comfortably last the entire school day.
- Available LTE/HSPA+ WWAN connectivity allows you to stay productive wherever work takes you.
- Working on a Chromebook is fast, smooth and intuitive, whether you're writing a document, sending an email or browsing the internet. Chrome OS™ provides a maintenance-free experience with automatic software and security updates.
- Chromebooks come with your favorite Google products built-in so you can work, play and do whatever you want, right out of the box. And the growing Chrome Web Store offers thousands of free apps, themes, and extensions to help you make the most of your Chromebook - including customized apps and extensions for education and business environments.
- Enjoy your Chromebook experience even more with Bluetooth 4.0 connectivity to your wireless keyboard and mouse
- Store up to 100 GB of your files and content with complimentary Google Drive. Your own virtual hard drive is available anywhere the Internet is accessible with this complimentary two year promotion.
- Purchase with confidence with a limited 1-year warranty and 3-year extended service available with optional HP Care Services.

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



Features

PRODUCT NAME

HP Chromebook 11 G4

OPERATING SYSTEM

Preinstalled Chrome OS™

PROCESSOR

Intel® Celeron® N2840, (2.16 GHz, Turbo up to 2.58 GHz, 1 MB 1333 MHz L2 cache, 2 cores)

* Multi-Core is designed to improve performance of certain software products. Not all customers or software apps may benefit from use of this technology. 64-bit computing system required. Performance will vary depending on your hardware and software. Intel's numbering is not a measurement of clock speed.

CHIPSET

Integrated SoC PCH

GRAPHICS

Intel® HD Graphics

- Support HD Decode, DX11, and HDMI

DISPLAY

Internal

11.6" diagonal HD¹ IPS AntiGlare (1366x768) LED Slim (3.0mm), UWVA 220 nits, eDP

11.6" diagonal HD¹ WLED AntiGlare (1366x768) Flat (3.6mm), SVA 220 nits, eDP

External

HDMI v1.4b Supporting: up to 1920x1080 @ 60Hz

1. High definition content is required to view high-definition images.

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

STORAGE AND DRIVES

Support eMMC

16 GB

32 GB

Embedded Multi Media Card¹

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

1. 5.1 GB of the eMMC are dedicated/allocated to the Chrome OSTM partition.
2. 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 OS™ 23 or later. Internet access is required and not



Features

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>

MEMORY

Standard

DDR3L-1600 Single Channel (Transfer rates up to 1600 MT/s) for 2 GB Memory

DDR3L-1600 Dual Channel(Transfer rates up to 1600 MT/s) for 4 GB Memory

Support

Up to 4 GB max on-board system memory

2 GB (2 GB x 16 x 4 pcs)

4 GB (2 GB x 16 x 8 pcs)

NETWORKING/COMMUNICATIONS

Wireless LAN (WLAN)

Intel® Dual Band Wireless-AC 7260 802.11 ac (2x2) WiFi + Bluetooth 4.0 Combo¹

Intel® Dual Band Wireless-N 7260AN 802.11 a/b/g/n (2x2) WiFi + Bluetooth 4.0 Combo¹

Wireless WAN (WWAN)

HP lt4110 LTE/HSPA+ 4G Module ^{2,3}

SIM card Slot (user accessible)

1. Wireless access point and Internet service is required and is not included. Availability of public wireless access points limited.
2. WWAN modules are only available if preconfigured. WWAN connection requires wireless data service contract, network support, and is not available in all areas. Contact service provider to determine the coverage area and availability. Connection speeds will vary due to location, environment, network conditions, and other factors.
3. 4G LTE not available in all regions or countries and requires factory configuration.

Internal Card Expansion

One M.2 slot for WLAN

One M.2 slot for WWAN

AUDIO/MULTIMEDIA

Audio

High Definition Audio

Dual speakers

Headphone / Microphone Combo Jack

One digital microphone with echo cancellation and noise suppression
appropriate software

Webcam¹

HP TrueVision HD²

- HD² camera - Fixed (no tilt) + activity LED, USB 2.0, M-JPEG
- 1280 x 720 by 30 frames per second
- Single Digital Microphones w/ appropriate software - echo cancellation, noise suppression

1. Internet access required and not included.



Features

2. High definition content is required to view high-definition images.

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

The black, textured, island-style Chrome OS™ keyboard features full-pitch key layout with features such as isolated inverted-T cursor control keys, editing keys, both left and right control and alt keys, and 12 function keys. International key layouts are available. Other features include hotkeys for instant access to, brightness, etc. 19-mm x 19-mm key pitch (center-to-center spacing), 2.2-mm stroke, comfort-dished keycaps, and bright key legends for improved visibility in low light conditions.

Pointing Devices

Clickpad with multitouch gestures enabled
Taps enabled as default

Buttons and Function Keys

Power key, Search key, Back, Forward, Refresh, Full Screen, Switch window

SOFTWARE AND SECURITY

Preinstalled Software

Chrome OS™ and its default set of apps

Security

Trusted Platform Module (TPM) 1.2
Lock slot
Optional UltraSlim Kensington Security Lock (Sold separately)

POWER

Power Supply

HP 45W Smart AC Adapter¹
HP 65W EM Smart AC Adapter (India and China only)
Power cord is 3.2 feet (1.0 meter)
Total length including external AC adapter is 9.2 feet (2.86 meter)
1. AC adapter uses a 90 degree 4.5mm DC plug

Primary Battery

3-cell (36 WHr) Lithium-Ion Polymer battery

Battery Life

Up to 9 hours and 30 minutes on 2 GB Memory WiFi model with 3-cell (36 WHr)
Up to 8 hours and 30 minutes on 4 GB Memory WiFi/WWAN model with 3-cell (36 WHr)
Note: 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: Battery is internal and not replaceable by customer.



Features

WEIGHTS & DIMENSIONS

Weight

Starting at 2.83 lbs (1.28 kg)

Dimensions (w x d x h)

11.80 x 8.09 x 0.80 in (Rear)

300 x 205.7 x 20.45 mm (Rear)

NOTE: Height varies depending upon where on the notebook the measurement is made.
Weight varies by configuration and components.

PORTS/SLOTS

Ports

AC Smart Pin adapter plug (4.5mm barrel) – One

Headphone/Microphone combo jack – One

USB 3.0 – One (right side, Charging Port)

USB 2.0 – One (right side)

HDMI v1.4b – One

HP Multi-Format Digital Media Card Reader

Support SD/SDHC/SDXC up to UHS-50

Push-Push Insertion/Removal

SERVICE AND SUPPORT

HP 1 year limited warranty. 1 year limited warranty on primary battery. On-site service and optional extended service contracts are also available. Optional¹ HP Services² are extended service contracts which go beyond your standard limited warranties. For more details visit: <http://www.hp.com/go/lookuptool>.

1. Sold separately or as an optional feature.
2. 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. 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. 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>.



Technical Specifications

SYSTEM UNIT

Stand-Alone Power Requirements (AC Power)	Nominal Operating Voltage	19.5 V
	Average Operating Power	27 W
	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-condensing
	Non-operating	5% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature
Shock	Operating	40 G, 2 ms, half-sine
	Non-operating	200 G, 2 ms, half-sine
Random Vibration	Operating	0.75 grms
	Non-operating	1.50 grms
Altitude (unpressurized)	Operating	-50 to 10,000 ft (-15.24 to 3,048 m)
	Non-operating	-50 to 40,000 ft (-15.24 to 12,192 m)
Planned Industry Standard	UL	Yes
Certifications	CSA	No
	FCC Compliance	Yes
	ENERGY STAR®	Yes
	EPEAT	Yes
	ICES	Yes
	Australia / NZ A-Tick Compliance	Yes, called RCM
	CCC	No
	Japan VCCI Compliance	Yes
	KC	No



Technical Specifications

BSMI	Yes
CE Marking Compliance	Yes
BNCI or BELUS	Yes, called EAC or CU
CIT	TBD
GOST	Yes, called EAC or CU
Saudi Arabian Compliance (ICCP)	No
SABS	No
UKRSERTCOMPUTER	No

DISPLAY

11.6" diagonal HD IPS AntiGlare (1366x768) LED Slim (3.0mm), UWVA

Outline Dimensions (W x H x D)	278.5 x 168.5 x 3.0mm max.	
Active Area	256.125 x 144.0mm typ.	
Weight	200g max.	
Diagonal Size	11.6 inch	
Contrast Ratio	600:1	
Refresh Rate	60Hz	
Brightness	220nits typ.	
Pixel Resolution	Format	1366 x 768
	Configuration	RGB Stripe
Interface	eDP	
LCD Mode	IPS	



Technical Specifications

	PPI	135	
	Viewing Angle	85/85/85/85	
11.6" diagonal HD WLED Anti-Glare (1366x768) flat (3.6mm), SVA	Outline Dimensions (W x H x D)	278.5 x 168.5 x 3.6mm max.	
	Active Area	256.125 x 144.0mm typ.	
	Weight	235g max.	
	Diagonal Size	11.6 inch	
	Contrast Ratio	300:1	
	Refresh Rate	60Hz	
	Brightness	220nits typ.	
	Pixel Resolution	Format	1366 x 768
	Pixel Resolution	Configuration	RGB Stripe
	Interface	eDP	
	LCD Mode	TN	
	PPI	135	
	Viewing Angle	40/40/15/30	

AUDIO/MULTIMEDIA

Hardware	Implementation	MAX98090 Ultra-Low Power Stereo Audio Codec
	Function Key Volume Controls	Volume up, volume down, and mute
	Full Duplex	Yes



Technical Specifications

	Microphone In	Mono
	Headphone/Line Out	Stereo
	Integrated Microphone	Yes, single digital microphone
Audio Output Quality	Frequency Response	20 Hz - 20 kHz
	Total Harmonic Distortion + Noise	-73 dB (Typ.)
	Noise Floor	-120 dB
	Play/Record Sampling Rate(s)	8 kHz - 96kHz
	DAC	16, 20 or 24-bit
	ADC	16 or 20-bit
		Power Rating
Integrated Stereo Speakers	Impedance	4 ohms

POWER

HP 45W Smart AC Adapter

Dimensions	3.74 x 1.57 x 1.04 in (9.5 x 4.0 x 2.65 cm)	
Weight	0.386 lb (175g) max	
	90 to 265 VAC	
Input	Input Efficiency	87.74% at 115Vac and 88.4% at 230Vac
	Input frequency range	47 to 63 Hz
	Input AC current	1.4 A at 90 VAC
	Output power	45W
Output	DC output	19.5V
	Hold-up time	5 msec at 115 VAC input



Technical Specifications

	Output current limit	<8.0A
	Over voltage protection	< 29V max automatic shutdown
	Over short protection	Auto-recovery and no damage
Connector	3 pin/grounded, mates with interchangeable cords	
	Operating temperature	32° to 95° F (0° to 35° C)
	Non-operating (storage) temperature	-4° to 185° F (-20° to 85° C)
Environmental Design	Altitude	0 to 16,400 ft (0 to 5,000 m)
	Humidity	20% to 95%
	Storage Humidity	10% to 95%
EMI and Safety Certifications	<p>*CE Mark - full compliance with LVD and EMC directives</p> <p>* 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.</p> <p>* MTBF - over 200,000 hours at 25°C ambient condition.</p>	

HP 65W EM Smart AC Adapter

Dimensions	4.98 x 1.97 x 1.18 in (12.65 x 5.0 x 3.0 cm)	
Weight	0.62 lb (290g) max	
	90 to 265 VAC	
Input	Input Efficiency	87.74% at 115Vac and 88.4% at 230Vac
	Input frequency range	47 to 63 Hz
	Input AC current	1.7 A at 90 VAC
	Output power	65W
Output	DC output	19.5V
	Hold-up time	5 msec at 115 VAC input
	Output current limit	<11.0A



Technical Specifications

	Over voltage protection	< 29V max automatic shutdown
	Over short protection	Auto-recovery and no damage
Connector	3 pin/grounded, mates with interchangeable cords	
	Operating temperature	32° to 95° F (0° to 35° C)
Environmental Design	Non-operating (storage) temperature	-4° to 185° F (-20° to 85° C)
	Altitude	0 to 16,400 ft (0 to 5,000 m)
	Humidity	20% to 95%
	Storage Humidity	10% to 95%
EMI and Safety Certifications	<p>*CE Mark - full compliance with LVD and EMC directives</p> <p>* 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.</p> <p>* MTBF - over 200,000 hours at 25°C ambient condition.</p>	
HP 3-cell battery (36Whr)	Dimensions (H x W x L)	5.9mm x 83.3mm x 281mm
	Weight (max)	200g
	Cells/Type	Li-ion, Prismatic Cell 496080/485780
	Energy	Voltage 10.8V ~ 11.4V
		Amp-hour capacity 3080mAh ~ 3400mAh (Min.) 3250mAh ~ 3490mAh (Typ.)
		Watt-hour capacity 35Wh ~ 36.7Wh (Min.) 37Wh ~ 37.6Whr (Typ.)
	Temperature	Operating (Charging) 0° to 45° C
		Operating (Discharging) -10° to 60° C



Technical Specifications

	Non-operating	-20° ~ 60° C (1 month)
		-20° ~ 45° C (3 month)
		-20° ~ 30° C (6 month)
Battery Re-Charge Time	System in OFF or Standby Mode	~2.25hrs
	System ON	~3.25hrs
Fuel Gauge LED	No	
Warranty	1 year	
Compatible with optional Travel Battery	No	

ENVIRONMENTAL

TBD

COUNTRY OF ORIGIN

China



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

Type	Description	Part Number
Protective Case	HP Chromebook 11 Protective Cover	M5N98AA
Carrying Case	HP Business Slim Top Load HP Essential Top Load Case (up to 15.6") HP Essential Backpack (up to 15.6")	H5M90AA H2W17AA#xxx H1D24AA
Input/Output	HP 3-Button Laser Mouse HP Ultra Mobile Wireless Mouse HP USB Optical Travel mouse	H4B81AA#xxx H6F25AA G1K28AA
Adapter	HP HDMI to VGA Adapter HP USB Ethernet Adapter	H4F02AA XZ613AA
Power	HP 45W Smart AC Adapter (4.5mm)	H6Y88AA#xxx
Cable Lock	HP Ultralim Keyed Cable Lock	H4D73AA



Summary of Changes

Date of change	Version History	Change	Description of change
June 29, 2015	V1 to V2	Added	Battery life and disclaimer. Updated page 3 and page 6.
August 25, 2015	V2 to V3	Added	10 seconds to overview page 3.
June 13, 2016	V3 to v4	Added	Power cord length.
January 8, 2018	V4 to V5	Added	Note to battery life section.

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