QuickSpecs

Overview

HP Chromebox G3

Front
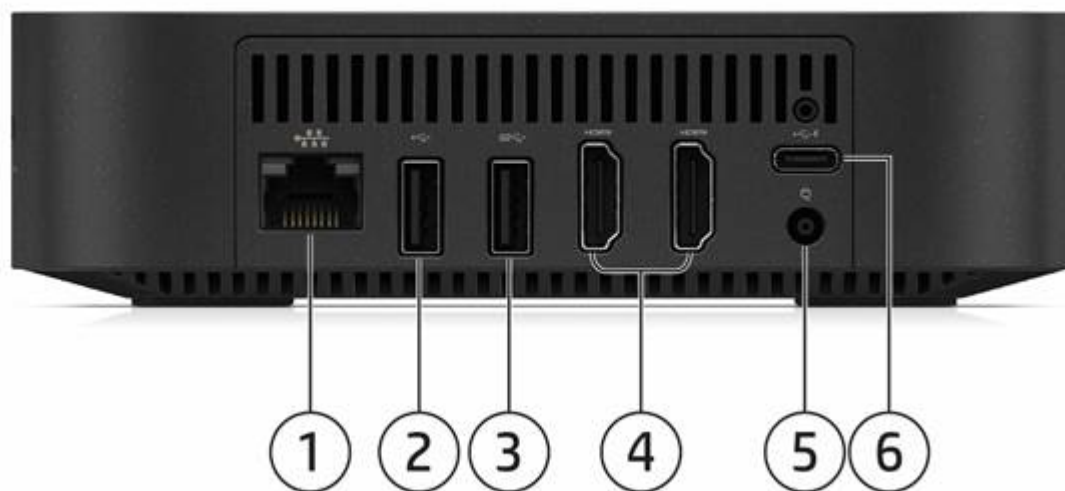
1. Headphone / Microphone Combo Jack
2. (2) USB 3.1 Gen 1
3. MicroSD card slot (Push-pull type)

Side

4. Power button/LED
5. Standard Security Lock Slot

HP Chromebox G3

Overview

Back

1. Ethernet network port or RJ-45 connector
2. USB-A 2.0
3. USB 3.1 Gen 1

4. (2) HDMI ports
5. AC-in plug - 4.5mm barrel connector
6. USB Type-C® 3.1 Gen 1 - support charging, power/data delivery, DisplayPort™

Features

AT A GLANCE

- Chrome operating system
- Compatible with Android Applications
- 10th Gen Intel® Processors - Celeron®, Pentium, Core™ i3/i5/i7
- Support up to 16GB DDR4 memory
- Support 32G/64G eMMC and 128G SSD
- MicroSD Multi-Format Digital Media Card Reader
- Wired Gigabit Ethernet connectivity
- Intel® Dual Band Wireless-AX201 ax 2x2 MU-MIMO +Bluetooth 5
- 100 mm VESA mounting capability
- Support dual 4K monitors for true-to-life definition or stunning Full HD on up to three monitors.
- Support two HDMI ports (v1.4)
- Environmental Certifications[1]
- ENERGY STAR®
- EPEAT® registered*
- BFR/PVC Free[1]
- WEEE compliant
- RoHS 2 compliant
- Standard Security Lock Slot
- Support Kiosk/POS mode to withstand 24/7 operability
- Auto AC Power Recovery

1. External power supplies, power cords, cables and peripherals are not low halogen. Service parts obtained after purchase may not be low halogen.

*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.

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

PRODUCT NAME

HP Chromebox G3

OPERATING SYSTEM

Preinstalled   Google Chrome OS

PROCESSORS

10th Generation Intel® Core™ i7 Processors
Intel Core i7-10610U Quad Core 1.8-4.9G BGA 8ML3 UHD Graphics 2666MHz 15W[1]
10th Generation Intel® Core™ i5 Processors
Intel Core i5-10310U Quad Core 1.7-4.4G BGA 6ML3 UHD Graphics 2666MHz 15W[1]
10th Generation Intel® Core™ i3 Processors
Intel Core i3-10110U Dual Core 2.1-4.1G BGA 4ML3 UHD 2666MHz 15W[1]
Intel® Celeron®/Pentium Processors
Intel Pentium 6405U Dual Core 2.4GHz BGA 2ML3 UHD 2400MHz 15W[1]
Intel Celeron 5205U Dual Core 1.9GHz BGA 2ML3 UHD 2400MHz 15W[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, branding and/or naming is not a measurement of higher performance.

CHIPSET

Features

Chipset is integrated with processor.

GRAPHICS

Integrated
Intel® UHD Graphics

MEMORY

4GB DDR4 Synchronous Dynamic Random Access Memory (SDRAM) (Up to 2666 MT/s)[2]
8GB DDR4 Synchronous Dynamic Random Access Memory (SDRAM) (Up to 2666 MT/s) [2]
16GB DDR4 Synchronous Dynamic Random Access Memory (SDRAM) (Up to 2666 MT/s) [2]

2. Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by other programs.

STORAGE AND DRIVES

Internal Storage Device
32GB eMMC[3]
64GB eMMC[3]
128GB PCIe NVMe Value SSD[3]

Removable Storage
Micro SD card slot

3. For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 5.1 GB of the eMMC are dedicated/allocated to the Chrome OSTM and OS partitions.

NETWORKING/COMMUNICATIONS

Networking
Wired Gigabit Ethernet (RTL8111H-CG)

Wi-Fi® and Bluetooth®
Intel Dual Band Wireless- AX201 ax 2x2 MU-MIMO +Bluetooth 5 Combo Adapter, non-vPro®[4]

4. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. The specifications for Wi-Fi 6 (802.11ax 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 802.11ax WLAN

AUDIO/MULTIMEDIA

Audio
Realtek ALC5682I-VD-CGT
Internal Beeper
Combo Mic/Headphone Jack

PORTS/SLOTS

Features

Ports

1 - Audio Combo jack - Headphone/Microphone (Front)
2 - USB 3.1 Gen 1(Front)
1 - Micro SD card slot (Front)
1 - USB Type-C® 3.1 Gen 1 (Back)
1 - AC Adapter plug (Back)
2 - HDMI, up to 4K@60fps, HDMI version 1.4 (Back)
1 - USB 3.1 Gen 1(Back)
2 - USB-A 2.0 (Back)
1 - RJ-45 Connector (Back)

POWER

Power Supply

External 65W adapter > 85% efficiency 100-240V, 50-60Hz, power cord[5,6]
External 65W adapter > 85% efficiency 100-240V, 50-60Hz, power cord (1.0m)
External 90W adapter > 85% efficiency 100-240V, 50-60Hz, power cord[5]
External 90W adapter > 85% efficiency 100-240V, 50-60Hz, power cord (1.0m)[5]

5. Not all power supplies are available in every region.
6. 65W is for Celeron only while 90W is for i3, i5 and i7 only

WEIGHT & DIMENSIONS

Dimensions (W x D x H)

5.87 x 5.87 x 1.57 in (14.93 x 14.93 x 4 cm)

Weight

1.31lbs (598 g)[7]

7. Lowest weight noted. Weight will vary by configuration.

PACKAGING INFORMATION

One Unit

Dimension of single box: 235 x 190 x 110mm (9.25 x 7.48 x 4.33 in)
Weight: 790 g (1.74lb)

One Unit + Keyboard / Mouse

Dimension of DIB box: 310 x 190 x 140mm (12.2 x 7.48 x 5.51 in)
Weight: 1330 g (2.92 lb)

IN THE BOX

HP Chromebox
External Power Supply
Quick Start Guide

QuickSpecs

Technical Specifications

SYSTEM UNIT

Temperature	**Operating**	41°F to 95°F (5°C to 35°C)
	Non-operating	-4°F to 140°F (-20°C to 60°C)
Relative Humidity (noncondensing)	**Operating**	10% to 90%
	Non-operating	5% to 95%
Altitude (unpressurized)	**Operating**	-50 ft to 10,000 ft (-15 m to 3,048 m)
	Non-operating	-50 ft to 40,000 ft (-15 m to 12,192 m)
Planned Industry Standard Certifications	**UL**	Yes
	CSA	No
	FCC Compliance	Yes
	ENERGY STAR 8.0	Yes
	EPEAT®*	Yes
	ICES	Yes
	Australia / NZ A-Tick Compliance	Yes
	CCC	No
	Japan VCCI Compliance	Yes
	KC	Yes
	BSMI	Yes
	CE Marking Compliance	Yes
	BNCI or BELUS	Yes
	CIT	No
	GOST	Yes
	Saudi Arabian Compliance (ICCP)	Yes
	SABS	Yes
	UKRSERTCOMPUTER	No
	TCO CERTIFIED, generation 8	Yes

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

ENVIRONMENTAL & INDUSTRY

Eco-Label Certifications & declarations	This product has received or is in the process of being certified to the following approvals and may be these marks: • IT ECO declaration • US ENERGY STAR® • EPEAT® Gold registered in the United States. See http://www.epeat.net for regis country.* *Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit http information.
System Configuration	The configuration used for the Energy Consumption and Declared Noise Emissions data for the Deskto Configured Desktop".

Technical Specifications

Energy Consumption (in accordance with US ENERGY STAR® test method)	**115VAC, 60Hz**	**230VAC, 50Hz**	**100'**
Normal Operation (Short idle)			
Normal Operation (Long idle)			
Sleep			
Off			

Energy efficiency data listed is for an ENERGY STAR® certified product if offered within the model family. HP computer STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specificatio family does not offer ENERGY STAR® certified configurations, then energy efficiency data listed is for a typically configu disk drive, a high efficiency power supply, and a Microsoft Windows® operating system. Search keyword generator on for solar generator accessories at: http://www.hp.com/go/options

Heat Dissipation*	**115VAC, 60Hz**	**230VAC, 50Hz**	**100'**
Normal Operation (Short idle)			
Normal Operation (Long idle)			
Sleep			
Off			

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 Pressu (L_{pAm}, decibels
Typically Configured – Idle		
Fixed Disk – Random writes		

Longevity and Upgrading	This product can be upgraded, possibly extending its useful life by several years. Upgradeable fe contained in the product may include:

Batteries

Spare parts are available throughout the warranty period and or for up to 5 years after the end of 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)

Battery type: Lithium

Additional Information

- This product is in compliance with the Restrictions of Hazardous Substances (RoHS) direc
- This HP product is designed to comply with the Waste Electrical and Electronic Equipmen 2002/96/EC.
- This product is in compliance with California Proposition 65 (State of California; Safe Drinki Enforcement Act of 1986).
- This product is in compliance with the IEEE 1680 (EPEAT) standard at the <gold> level, se
- Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and I:
- This product contains 0% post-consumer recycled plastic (by wt.)
- This product is 95.1% recycle-able when properly disposed of at end of life.

Technical Specifications

Packaging Materials   **External:**   PAPER/Corrugated

    Internal: PLASTIC/EPS (Expanded Polyethylene)

    PLASTIC/Polyethylene low density

Material Usage   This product does not contain any of the following substances in excess of regulatory limits (refe
Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/g

- 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 handle
- 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 bee 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 pack
- 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.

HP Inc. offers end-of-life HP product return and recycling programs in many geographic areas. To recy
http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to H
disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for ea
treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Pac
http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treat
customers who integrate and re-sell HP equipment.

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://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

COUNTRY OF ORIGIN

China

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

Type	Description	Part #
Display	HP ProDisplay P232 23-inch Monitor	K7X31AA
	HP EliteDisplay E273 27-inch Monitor	1FH50AA
	HP ProDisplay P240va 23.8-inch Monitor	N3H14AA
	HP ProDisplay P203 20-inch Monitor	X7R53AA
	HP ProDisplay P223 21.5-inch Monitor	X7R61AA
	HP Compaq L2206tm 21.5-inch LED Backlit Touch Monitor	B0L55AA
	HP B321 31.5-inch LED Digital Signage Display	F6N37AA
	HP EliteDisplay E230t - touch	W2Z50AA
Input/Output	HP USB-C to DP	N9K78AA
	HP USB-C to HDMI 2.0 Adapter	1WC36AA
	HP HDMI-to-DVI Adapter	F5A28AA
	HP USB-C to HDMI Adapter	N9K77AA
	HP USB-C to VGA Adapter	N9K76AA
	HP PC Mounting Bracket for Monitors	N6N00AA
	HP B300 PC Mounting Bracket	2DW53AA
	HP Quick Release 2	EM870AA
	HP Desktop Mini Security/Dual VESA Sleeve v2	2JA32AA
Mounts and Stands	HP Integrated Work Center for Desktop Mini	G1V61AA
	HP Quick Release Bracket	EM870AA
	HP Desktop Mini Security/Dual VESA Sleeve	G1K22AA
Power Adapters	HP 65W Smart AC Adapter (4.5mm)	H6Y89AA
	HP 90W Smart AC Adapter (4.5mm)	H6Y90AA
Security	HP Keyed Cable Lock 10mm	T1A62AA

Summary of Changes

Date of change:	Version History:		Description
November 5, 2020	V1 to V2	Update	Processors section description details corrected