

Overview

HP Chromebox G2



Front

1. Headphone / Microphone Combo Jack
2. USB 3.1 Gen 1
3. USB 3.1 Gen 1
4. microSD card slot (Push-pull type)
5. Power button/LED

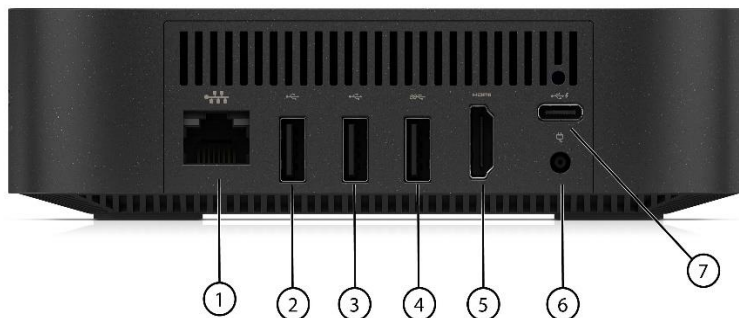


Side

1. Security Lock Slot

Overview

HP Chromebox G2



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

Back

5. HDMI output
6. AC-in plug - 4.5mm barrel connector or Power cable connector
7. USB Type-C™ power connector and charging port

Overview

AT A GLANCE

- Chrome™ operating system
- Compatible with Android
- Intel® Celeron®, 7th Gen i5, 8th Gen i7 Processor
- Intel® HD Graphics
- Support up to 16GB DDR4 memory
- Support SATA-3 SDD (NGFF M.2)
SSD configuration: 32GB/64GB
- MicroSD Multi-Format Digital Media Card Reader"
- Wired Gigabit Ethernet connectivity
- Intel® Dual Band Wireless-AC 7265 802.11 AC 2x2 WiFi
- Bluetooth® 4.2 support
- Combo Mic/Headphone jack
- Attractive black color
- 100 mm VESA mounting capability
- Dual display capability with USB Type-C™ and HDMI outputs
- Environmental Certifications¹:
 - ENERGY STAR®
 - EPEAT® Silver compliant*
 - BFR/PVC Free
 - WEEE compliant
 - RoHS 2 compliant
- Security Lock Slot

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

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

Features

PRODUCT NAME

HP Chromebox G2

OPERATING SYSTEM

Preinstalled Google Chrome™ OS

PROCESSORS

Intel® 8th Generation Core™ i7 Processors

Intel Core i7-8650U 4C/8T 1.9GHz (4.2GHz)¹

Intel® 7th Generation Core™ i5 Processors

Intel Core i5-7300U 2C/4T 2.6GHz (3.5GHz)¹

Intel® Celeron® Processor 3000 Series

Intel Celeron® 3865U Processor 2C/2T (1.8GHz)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

Chipset is integrated with processor.

GRAPHICS

Integrated

Intel® HD Graphics 610 (3865U)

Intel® HD Graphics 620 (i5-7300U)

Intel® UHD Graphics 620 (i7-8650U)

MEMORY

4GB DDR4 Synchronous Dynamic Random Access Memory (SDRAM) (Up to 2400 MT/s)²

8GB DDR4 Synchronous Dynamic Random Access Memory (SDRAM) (Up to 2400 MT/s)²

16GB DDR4 Synchronous Dynamic Random Access Memory (SDRAM) (Up to 2400 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.

Features

STORAGE AND DRIVES

Internal Storage Device

32GB SSD M.2 SATA-3 (Type 2242)³

64GB SSD M.2 SATA-3 (Type 2280)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 (RTL8151GH-CG)

Wi-Fi and Bluetooth®

Intel Dual Band Wireless-AC 7265 802.11 AC 2x2 WiFi + Bluetooth® 4.2 Combo Adapter, non-vPro⁵

4. Wireless access point 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 product to communicate with other 802.11ac WLAN devices.

AUDIO/MULTIMEDIA

Audio

Realtek ALC5662-CG

Internal Beeper

Combo Mic/Headphone Jack

PORTS/SLOTS

Ports

1 - Audio Combo jack - Headphone/Microphone (Front)

2 - USB 3.0 Type A (Front)

1 - Micro SD card slot (Front)

1 - USB Type C™ (Back)

1 - AC Adapter plug (Back)

1 - HDMI, up to 4K@30fps , HDMI version 1.4b (Back)

1 - USB 3.0 Type A (Back)

2 - USB 2.0 Type A (Back)

1 - RJ-45 Connector (Back)

Features

POWER

Power Supply

External 65W adapter > 85% efficiency 100-240V, 50-60Hz, power cord (1.8m)^{5,6}

External 90W adapter > 85% efficiency 100-240V, 50-60Hz, power cord (1.8m)⁵

5. Not all power supplies are available in every region.

6. 65W is for Celeron only while 90W is for i5 and i7 only

WEIGHT & DIMENSIONS

Weight

570 g (1.26lb)⁷

Dimensions (W x D x H)

149.3 x 149.3 x 40 mm (5.87 x 5.87 x 1.57 in)

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

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 6.0[®] | Yes |
| | EPEAT[®] | Yes |
| | ICES | Yes |
| | Australia / NZ A-Tick Compliance | Yes |
| | CCC | Yes |
| | Japan VCCI Compliance | Yes |
| | KC | Yes |
| | BSMI | Yes |
| | CE Marking Compliance | No |
| | BNCI or BELUS | Yes |
| | CIT | No |
| | GOST | Yes |
| | Saudi Arabian Compliance (ICCP) | Yes |
| SABS | No | |
| UKRSERTCOMPUTER | No | |

Technical Specifications

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 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.

System Configuration The configuration used for the Energy Consumption and Declared Noise Emissions data for the Desktop model is based on a “Typically Configured Desktop”.

| Energy Consumption (in accordance with US ENERGY STAR® test method) | 115VAC, 60Hz | 230VAC, 50Hz | 100VAC, 50Hz |
|--|---------------------|---------------------|---------------------|
| Normal Operation (Short idle) | 4.836 | 4.788 | 4.716 |
| Normal Operation (Long idle) | 4.38 | 4.392 | 4.284 |
| Sleep | 0.708 | 0.744 | 0.708 |
| Off | 0.228 | 0.252 | 0.228 |

Energy efficiency data listed is for an ENERGY STAR® certified 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® certified 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. Search keyword generator on HP’s 3rd party option store for solar generator accessories at <http://www.hp.com/go/options>

| Heat Dissipation* | 115VAC, 60Hz | 230VAC, 50Hz | 100VAC, 50Hz |
|----------------------------------|---------------------|---------------------|---------------------|
| Normal Operation (Short idle) | 5.836 | 5.856 | 5.773 |
| Normal Operation (Long idle) | NA | NA | NA |
| Sleep | NA | NA | NA |
| Off | 0.149 | 0.199 | 0.149 |

Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

Technical Specifications

| Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296) | Sound Power (L_{WA}d, bels) | Sound Pressure (L_{pAm}, decibels) |
|--|--|---|
|--|--|---|

| | | |
|-----------------------------|-----|------|
| Typically Configured – Idle | 2.7 | 15.8 |
|-----------------------------|-----|------|

| | | |
|----------------------------|-----|------|
| Fixed Disk – Random writes | 3.4 | 21.2 |
|----------------------------|-----|------|

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

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

Batteries This battery(s) in this product comply with EU Directive 2006/66/EC

Batteries used in the product do not contain:
Mercury greater the 1ppm 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) 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 0% post-consumer recycled plastic (by wt.)
- This product is 95.1% recycle-able when properly disposed of at end of life.

| | | | |
|----------------------------|------------------|-------------------------------------|-----------------|
| Packaging Materials | External: | PAPER/Corrugated | Corrugated |
| | Internal: | PLASTIC/EPS (Expanded Polyethylene) | EPE for cushion |
| | | PLASTIC/Polyethylene low density | LD PE bag |

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

Technical Specifications

- 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.

HP Inc. 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.

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>

Technical Specifications

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 |
| 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 |
| 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 of change: |
|-------------------|------------------|--------|--------------------------------------|
| March 7, 2018 | Pre V1 | Update | Header and callouts |
| April 18, 2018 | V1 to V2 | Update | Ports section |
| May 16, 2018 | V2 to V3 | Update | Power section |
| May 23, 2018 | V3 to V4 | Update | Packaging information added |
| June 7, 2018 | V4 to V5 | Update | Packaging information |
| December 18, 2018 | V5 to V6 | Update | Displays added to AMO |
| January 2, 2019 | V6 to V7 | Update | HP EliteDisplay E230t – touch to AMO |

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