### Chromebook simplicity. Built for education.

Maximize potential. This 11-inch Chromebook features a thin profile in a sturdy design with manageable, secure ChromeOS. The latest Intel® Celeron® processor² is built for high-performance and reliability, while USB-C® compatibility is future-ready.

#### Designed for reliability. Engineered for durability.

Say goodbye to downtime with a <19 mm (<.75 in) thin Chromebook that can withstand drops up to 122 cm (48.03 in)<sup>4</sup> and undergoes MIL-STD 810H<sup>5</sup> and HP education testing.<sup>3</sup> The full-skirted anchored keyboard resists picking, minor spills, and dust.

## Power to deliver throughout the school day and beyond

Quickly stream and access textbooks, tests, and more thanks to the latest Intel® Celeron® processor² and ChromeOS with up to 8 GB RAM¹⁴. Work continuously with long battery life and HP Fast Charge—charging 90% in 90 minutes.6

## Learning happens everywhere

Engage in lively virtual discussions and interactively collaborate with students and teachers on the HD webcam and optional HD IPS touchscreen.<sup>14</sup> Powered by Wi-Fi 6<sup>8</sup>, supporting MU-MIMO<sup>10</sup> and HP Extended Range Wireless LAN<sup>11</sup> for fast, reliable connectivity in crowded wireless networks.



\*Product image may differ from actual product



#### **Featuring**

#### ChromeOS simplicity

Breathe easy with the low-maintenance, highly manageable, and secured ChromeOS. With automatic software updates through June 2029 and built-in anti-virus protection, your device is protected and up to date.<sup>9</sup>

#### Tested for durability and reliability

Undergoes MIL-STD 810H and HP Total Test Process, featuring additional tests for HP education products, to ensure this Chromebook Education Edition exceeds HP durability and reliability standards—helping reduce total cost of ownership.<sup>3,5</sup>

#### Protection against drops and falls

Accidents happen. All the time. Give students a rugged Chromebook that can survive drops up to 76 cm (29.92 in) onto concrete and 122 cm (48.03 in) onto plywood. Drop tested for quality assurance and peace of mind.<sup>4</sup>

#### Latest Intel® Celeron® multi-core processor

The perfect combination of performance, power consumption, and value handles multiple assignments smoothly and reliably with up to four processing cores to divide up the work.<sup>2</sup>

#### Durable keyboard withstands wear and tear

Reduce risk of damage to keyboards with pick resistant, full-skirted anchored keys. Coupled with an extra layer of protection under the keys, this sturdy keyboard resists dust and spills up to 350ml (11.8 oz).

#### Advanced wireless connectivity

Learn from anywhere, even in crowded wireless networks, with a fast, reliable wireless connection. This Chromebook's Wi-Fi 6 wireless LAN module comes with MU-MIMO and HP Extended Range Wireless LAN. 8,10,11

#### Explore your world

Ready for the backpack, classroom, home, and beyond. At less than 19 mm (.748 in), the ultra-thin, durable design on this 11-inch diagonal Chromebook makes it easy for students to take their lessons with them.

#### Promote cleanliness

Tested for 1000 cleanings, the keyboard of this education edition Chromebook can be wiped down using commonly available household disinfecting and cleaning wipes. 13

#### Storage and memory options for all your tasks

Up to 8 GB RAM and 64 GB eMMC storage options allow staff, teachers, and students to access thousands of Android applications, complete tasks, and collaborate with others. 14,15

#### Productivity for the long haul

Spend more time learning and less time charging with a long battery life and HP Fast Charge. Devices can be recharged quickly during a lunch break so students can get back to work – get 90% battery power in 90 minutes.<sup>6</sup>

#### **Engage and interact**

Show and share both Android apps and G Suite for Education in class on a lie-flat device. Everyone's included with an optional anti-glare IPS touchscreen visible from multiple angles. 7.14,16



#### **Technical specifications**

Available Operating Systems	ChromeOS
Processor family	Intel® Celeron® processor
Available Processors <sup>2,18</sup>	Intel® Celeron® N4500 (up to 2.8 GHz burst frequency, 4 MB L3 cache, 2 cores) Intel® Celeron® N5100 (up to 2.80 GHz burst frequency, 4 MB L3 cache, 4 cores)
Maximum memory	8 GB LPDDR4X-4266 SDRAM; (Transfer rates up to 4266 MT/s.) Memory soldered down.
Internal storage	32 GB up to 64 GB eMMC 5.0 <sup>3</sup>
Display size (diagonal, metric)	29.5 cm (11.6")
Display <sup>6,7</sup>	29.5 cm (11.6") diagonal, HD (1366 x 768), IPS, anti-glare, 220 nits, 50% NTSC; 29.5 cm (11.6") diagonal, HD (1366 x 768), touch, IPS, anti-glare, 220 nits, 50% NTSC; 29.5 cm (11.6") diagonal, HD (1366 x 768), SVA, anti-glare, 220 nits, 45% NTSC
Available Graphics	Integrated: Intel® UHD Graphics <sup>6</sup> (Support HD Decode, DX12, and HDMI.)
Audio	HD audio, dual speakers, integrated microphone
Expansion slots	1 microSD (Supports SD, SDHC, SDXC.)
Ports and connectors	2 USB Type-C* 5Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A 5Gbps signaling rate; 1 stereo headphone/microphone combo jack
Input devices	Spill resistant, full-size, Chrome keyboard with skirt anchored keycaps; Clickpad with multi-touch gesture support, taps enabled as default
Communications	(HP Extended Range Wireless LAN, MU-MIMO and Chromecast support);; Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 wireless card, non-vPro®
Camera	720p HD camera <sup>6</sup>
Software	Chrome Education Upgrade (Sold separately) <sup>10</sup>
Security management	Nano Security lock slot; Google Titan C



<b>Technical</b>	specifications
	Specification is

Power	HP Smart 45 W USB Type-C* adapter
Battery type	HP Long Life 2-cell, 47 Wh Li-ion polymer <sup>12,15</sup> ; Battery is internal and not replaceable by customer. Serviceable by warranty. Fast charging 90% in 90 minutes.
Dimensions	29.5 x 20.53 x 1.88 cm; 6.7 x 43.5 x 26 cm (Package)
Weight	Starting at 1.34 kg; (Weight will vary by configuration.)
Ecolabels	ENERGY STAR® certified; EPEAT® 2019 registered where applicable. EPEAT® registration varies by country. See www.epeat.net for registration status by country. 14
Sustainable impact specifications	Low Halogen; Outside box and corrugated cushions are 100% sustainably sourced and recyclable 16,17
Warranty	1 year (1-1-0) limited warranty and service offering includes 1 year of parts and labor. Terms and conditions vary by country. Certain restrictions and exclusions apply.



#### **Footnotes**

#### **Messaging Footnotes**

- <sup>2</sup> 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.
- <sup>3</sup> Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.
- <sup>4</sup> 122 cm test on plywood and 76 cm test on concrete. Drop test is not a guarantee of future performance under these test conditions. Any accidental damage requires an optional HP Accidental Damage Protection Care Pack.
- <sup>5</sup> MIL-STD testing 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. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.
- <sup>6</sup> Recharges the battery up to 90% within 90 minutes when the system is off or in standby mode, when used with the power adapter provided with the notebook, and no external devices are connected. After charging has reached 90% capacity, charging speed will return to normal. Charging time may vary +/-10% due to System tolerance.
- <sup>7</sup> Internet access required and sold separately. Some apps may require purchase.
- <sup>8</sup> Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 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 devices. Only available in countries where 802.11ax is supported.
- <sup>9</sup> See https://support.google.com/chrome/a/answer/6220366?hl=en for more information.
- 10 Multiple-Input Multiple-Output (MU-MIMO) is a wireless technology that uses multiple transmitters and receivers to enhance data transfer. MIMO requires a MU-MIMO router, sold separately.
- <sup>11</sup> Based on internal testing vs. previous generation product with 802.11ac wireless LAN module.
- <sup>13</sup> The keyboards of the HP Education portfolio, including the HP Chromebook 11 G9 EE, have been tested to 1,000 wipes to be cleaned with Windex® Original Glass & Surface Wipes and Clorox® Disinfecting Wipes with EPA Registration Number 5813-79. Do not use wipes on other surfaces of the product. See user guide for cleaning instructions.
- <sup>14</sup> Optional feature(s) that must be configured at purchase.
- 15 Up to 64GB is an optional feature that must be configured at purchase. For storage drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 8.1 GB is not user accessible.
- $^{16}$  G Suite for Education is available to qualifying educational institutions from Google and requires internet access.

#### **Specification Footnotes**

- <sup>2</sup> Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.
- <sup>3</sup> For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) is reserved for system recovery software.
- <sup>4</sup> Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft 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 devices.
- <sup>5</sup> Chromecast must be purchased separately.
- $^{\rm 6}\,{\rm HD}$  content required to view HD images.
- <sup>7</sup>Resolutions are dependent upon monitor capability, and resolution and color depth settings.
- <sup>8</sup> Based on internal testing vs. previous generation product with 802.11ac wireless LAN module.
- 10 Chrome Education Upgrade requires one-time setup, subscription, Google Admin Console, and your organization's domain. Please see https://support.google.com/a/answer/60216.
- <sup>11</sup>Lock is sold separately.
- 12 Recharges up to 90% within 90 minutes when the system is off or in standby mode when used with the power adapter provided with the notebook. After charging has reached 90% capacity, charging will return to normal. Charging time may vary +/10% due to System tolerance.
- <sup>13</sup> 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.
- <sup>14</sup> Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.
- 15 Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.
- External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.
- <sup>17</sup> 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers.
- <sup>18</sup> 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.



