HP Chromebook 11 G8 EE N4020 29.5 cm (11.6") HD Intel® Celeron® 4 GB LPDDR4-SDRAM 16 GB eMMC Wi-Fi 5 (802.11ac) ChromeOS Grey

Brand : HP **Product family:** Chromebook **Product code:** 3C219EA

Product name : 11 G8 EE

- Intel® Celeron® N4020 with Intel® UHD Graphics 600 (1.1 GHz base frequency, up to 2.8 GHz burst frequency, 4 MB cache, 2 cores)
- ChromeOS™
- 29.5 cm (11.6") diagonal, HD (1366 x 768), anti-glare, 220 nits, 45% NTSC
- Intel® UHD Graphics 600
- 4 GB memory; 48 GB eMMC storage
Chromebook 11 G8 EE, ChromeOS™, 11.6", Intel® Celeron®, 4GB RAM, 16GB eMMC, HD

HP Chromebook 11 G8 EE N4020 29.5 cm (11.6") HD Intel® Celeron® 4 GB LPDDR4-SDRAM 16 GB eMMC Wi-Fi 5 (802.11ac) ChromeOS Grey:

The Chromebook built for schools and designed for learning
Help students reach their potential with cloud-first[1] learning on the durable HP Chromebook 11 G8 EE that keeps pace with active student lifestyles while the fast-booting ChromeOS makes IT management easy.

Design

Product type *	Chromebook
Product colour *	Grey
Form factor *	Clamshell
Intel® vPro™ Platform Eligibility	✗
Country of origin	China

Display

Display diagonal *	29.5 cm (11.6")
Display resolution *	1366 x 768 pixels
Touchscreen *	✗
HD type	HD
Panel type	SVA
LED backlight	✓
Native aspect ratio	16:9
Anti-glare screen	✓
Display brightness	220 cd/m²
Display diagonal (metric)	29.5 cm
RGB colour space	NTSC
Colour gamut	45%

Processor

Processor manufacturer *	Intel
Processor model *	N4020
Processor family *	Intel® Celeron®
Processor frequency *	1.1 GHz
Processor boost frequency	2.8 GHz
Processor cores	2
Processor threads	2
Processor cache	4 MB
Processor cache type	L3
Processor socket	BGA 1090
Processor lithography	14 nm
Processor operating modes	64-bit
Processor codename	Gemini Lake Refresh
Thermal Design Power (TDP)	6 W
Tjunction	105 °C

Network

WLAN controller model	Intel Dual Band Wireless-AC 9560
WLAN controller manufacturer	Intel
Ethernet LAN	✗
Bluetooth	✓
Bluetooth version	5.0
MIMO	✓
MIMO type	Multi User MIMO

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	2
Combo headphone/mic port	✓

Keyboard

Keyboard special features	Защита от снятия клавиш и попадания жидкости
Pointing device	Touchpad
Numeric keypad *	✗
Keyboard backlit	✓
Island-style keyboard	✓
Spill-resistant keyboard	✓
Full-size keyboard	✓

Software

Operating system installed *	ChromeOS

Processor special features

Intel® Anti-Theft Technology (Intel® AT)	✗
Intel® Smart Response Technology	✗
Intel® Identity Protection Technology (Intel® IPT)	✓
Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Intel® Turbo Boost Technology	✗
Enhanced Intel SpeedStep Technology	✓

Processor

Maximum number of PCI Express lanes	6
PCI Express slots version	2.0
PCI Express configurations	1x4+1x2, 2x1+1x2+1x2, 4x1

Memory

Internal memory *	4 GB
Internal memory type	LPDDR4-SDRAM
Memory clock speed	3733 MHz
Memory form factor	SO-DIMM
Memory slots	1x SO-DIMM
Maximum internal memory *	4 GB
ECC	✘

Storage

Total storage capacity *	16 GB
Storage media *	eMMC
Flash memory	16 GB
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	MicroSD (TransFlash)

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
Discrete graphics card *	✘
On-board graphics card model *	Intel® UHD Graphics 600
On-board graphics card base frequency	200 MHz
On-board graphics card burst frequency	650 MHz
Maximum on-board graphics card memory	8 GB
Number of execution units	12
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.4
On-board graphics card ID	0x3185

Audio

Number of built-in speakers	2
Built-in microphone	✔

Camera

Front camera	✔
Front camera signal format	720p
Front camera HD type	HD

Network

Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
Mobile network connection *	✘
Antenna type	2x2

Processor special features

Intel® Quick Sync Video Technology	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel® Secure Key	✔
Intel® OS Guard	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	25 x 24 mm
Supported instruction sets	SSE4.2
CPU configuration (max)	1
Embedded options available	✘
UART	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔
Processor ARK ID	197310

Brand-specific features

HP speaker type	HP Dual Speakers
HP segment	Business

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	2
Battery capacity *	47 Wh

Power

AC adapter power	45 W

Security

Cable lock slot	✔

Sustainability

Sustainability certificates	ENERGY STAR
Sustainable technologies and materials	Low halogen; TCO 8.0 Certified

Weight & dimensions

Width	295 mm
Depth	205.3 mm
Height	18.8 mm
Weight *	1.32 kg

Logistics data

Harmonized System (HS) code	84713000

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194850770265

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