HP Chromebook G9 Education Edition Intel® Celeron® N5100 29.5 cm (11.6") Touchscreen HD 4 GB LPDDR4x-SDRAM 32 GB eMMC Wi-Fi 6 (802.11ax) ChromeOS Black

Brand : HP

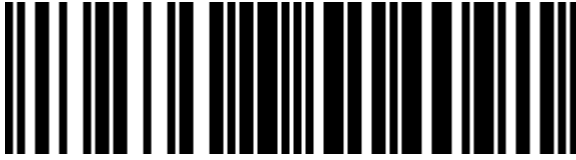**Product name :** G9 Education Edition

Product family: Chromebook

Product code: 305V5EA#ABH

HP Chromebook G9 Education Edition. Product type: Chromebook, Form factor: Clamshell. Processor family: Intel® Celeron®, Processor model: N5100, Processor frequency: 1.1 GHz. Display diagonal: 29.5 cm (11.6"), HD type: HD, Display resolution: 1366 x 768 pixels, Touchscreen. Internal memory: 4 GB, Internal memory type: LPDDR4x-SDRAM. Total storage capacity: 32 GB, Storage media: eMMC. Operating system installed: ChromeOS. Product colour: Black

Design

Colour name	Jack black
Product type *	Chromebook
Product colour *	Black
Form factor *	Clamshell
Market positioning	Cloud computing
Introduction year	2021
Intel® vPro™ Platform Eligibility	✗
Country of origin	China
Original brand name	HP

Display

Display diagonal *	29.5 cm (11.6")
Display resolution *	1366 x 768 pixels
Touchscreen *	✔
HD type	HD
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:9
Anti-glare screen	✔
Display brightness	250 cd/m²
Display diagonal (metric)	29.5 cm
RGB colour space	NTSC
Colour gamut	45%

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Celeron®
Processor model *	N5100
Processor cores	4
Processor threads	4
Processor boost frequency	2.8 GHz
Processor frequency *	1.1 GHz
Processor cache	4 MB
Processor cache type	L3

Memory

Internal memory *	4 GB

Network

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
Intel® Thunderbolt 4	✔
Combo headphone/mic port	✔
USB Type-C DisplayPort Alternate Mode	✔

Performance

Ambient light sensor	✔

Keyboard

Keyboard special features	Stoot- en morsbestendig
Pointing device	Clickpad
Numeric keypad *	✗
Island-style keyboard	✔
Spill-resistant keyboard	✔
Full-size keyboard	✔
Keyboard layout	QWERTY

Software

Operating system installed *	ChromeOS

Processor special features

Enhanced Intel SpeedStep Technology	✔
Intel Trusted Execution Technology	✗
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Software Guard Extensions (Intel SGX)	✗
Intel 64	✔
Idle States	✔
CPU configuration (max)	1

Memory

Internal memory type	LPDDR4x-SDRAM
Memory clock speed	4266 MHz
Memory form factor	On-board
Memory slots	1x SO-DIMM
Maximum internal memory *	4 GB
Number of free internal memory expansion slots	1
ECC	✖
Non-ECC	✔

Storage

Total storage capacity *	32 GB
Storage media *	eMMC
Flash memory	32 GB
Optical drive type *	✖
Card reader integrated	✔
Compatible memory cards	MicroSD (TransFlash), SD, SDHC, SDXC

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✖
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics

Audio

Built-in speaker(s)	✔
Number of built-in speakers	2
Built-in microphone	✔

Camera

Front camera	✔
Front camera HD type	HD
Privacy camera	✔

Network

Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	Wi-Fi 6 (802.11ax)
Mobile network connection *	✔
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6 AX201
WLAN controller manufacturer	Intel
Ethernet LAN	✖
Bluetooth	✔
Bluetooth version	5.0
Miracast	✔
MIMO	✔

Processor special features

Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔

Brand-specific features

HP speaker type	HP Dual Speakers
HP front camera	HP Webcam
HP segment	Business

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	2
Battery capacity *	47 Wh
Fast charging	✔
Fast charging time (90%)	90 min
Battery weight	190 g

Power

AC adapter power	45 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
USB Type-C charging port *	✔
USB Power Delivery (USB PD)	✔

Security

Cable lock slot	✔
Password protection	✔
Password protection type	BIOS, Power on, User

Certificates

Low halogen	✔

Sustainability

Sustainability compliance	✔
Sustainability certificates	ENERGY STAR, TCO

Weight & dimensions

Width	295 mm
Depth	205.3 mm
Height	18.8 mm
Weight *	1.34 kg

Packaging data

Package width	67 mm
Package depth	435 mm
Package height	260 mm

Packaging content

Keyboard included	✔
Stylus pen	✖

Logistics data

Harmonized System (HS) code	84713000

Other features

Number of speakers	2

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