![DELL]

DELL Chromebook 3100 Intel® Celeron® N N4020 29,5 cm (11.6") HD 4 GB LPDDR4-SDRAM 32 GB eMMC Wi-Fi 5 (802.11ac) ChromeOS سیاه

Brand : DELL   **Product family:** Chromebook   **Product code:** G4YY1

Product name : 3100

مدل, Intel® Celeron® N :فاکتور شکل: تاشو. خانواده پردازنده Chromebook, :نوع محصول .DELL Chromebook 3100
رزولوشن (11.6") cm 29,5. قطر صفحه نمایش :HD type: HD, N4020, Processor frequency: 1,1 GHz. :پردازنده
ظرفیت کل ذخیره .LPDDR4-SDRAM :نوع حافظه داخلی 4 GB, x 768 pixels. Internal memory: صفحه نمایش: 1366
سیستم عامل 600. Intel® UHD Graphics :مدل آداپتور گرافیکی در روی بورد .eMMC :GB, Storage media سازی: 32
رنگ محصول: سیاه .ChromeOS :ارائه شده

Design	
Product type *	Chromebook
Product colour *	Black
Form factor *	Clamshell

Display	
Display diagonal *	29.5 cm (11.6")
Display resolution *	1366 x 768 pixels
Touchscreen *	✘
HD type	HD
LED backlight	✔
Native aspect ratio	16:9
Display brightness	220 cd/m²
Pixel density	135 ppi
Maximum refresh rate	60 Hz
Contrast ratio (typical)	500:1

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

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	
Pointing device	Touchpad
Numeric keypad *	✘

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	✔
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	✔

Processor

Tjunction	105 °C
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	2400 MHz
Memory form factor	On-board
Maximum internal memory *	4 GB

Storage

Total storage capacity *	32 GB
Storage media *	eMMC
Flash memory	32 GB
Optical drive type *	✗
Card reader integrated	✗

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
On-board GPU manufacturer	Intel
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
Speaker power	2 W
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution (numeric)	1 MP
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD
Video capturing speed	30 fps

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
WLAN controller model	Intel Dual Band Wireless-AC 9560
Ethernet LAN	✗
Bluetooth	✔

Processor special features

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

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	3
Battery capacity *	42 Wh
Battery voltage	11.4 V
Battery weight	200 g

Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	3.25 A
AC adapter output voltage	20 V
USB Power Delivery (USB PD)	✔

Security

Cable lock slot	✔
Cable lock slot type	Noble

Operational conditions

Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	0 - 95%
Operating altitude	0 - 3048 m
Non-operating altitude	0 - 10668 m
Operating shock	160 G
Non-operating shock	160 G
Operating vibration	0.66 G
Non-operating vibration	1.33 G

Weight & dimensions

Width	303.9 mm
Depth	207.9 mm
Height (front)	2.08 cm
Height (rear)	2.08 cm
Weight *	1.29 kg

Packaging content

Cables included	AC