



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



Design		Ports & interfaces	
Product type *	Chromebook	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Product colour *	Black	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	2
Form factor *	Clamshell	Combo headphone/mic port	✓
Display		Keyboard	
Display diagonal *	29.5 cm (11.6")	Pointing device	Touchpad
Display resolution *	1366 x 768 pixels	Numeric keypad *	✗
Touchscreen *	✗	Software	
HD type	HD	Operating system installed *	ChromeOS
LED backlight	✓	Processor special features	
Native aspect ratio	16:9	Intel® Anti-Theft Technology (Intel® AT)	✗
Display brightness	220 cd/m ²	Intel® Smart Response Technology	✗
Pixel density	135 ppi	Intel® Identity Protection Technology (Intel® IPT)	✓
Maximum refresh rate	60 Hz	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Contrast ratio (typical)	500:1	Intel® Turbo Boost Technology	✗
Processor		Enhanced Intel SpeedStep Technology	✓
Processor manufacturer *	Intel	Intel® Quick Sync Video Technology	✓
Processor family *	Intel® Celeron® N	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor model *	N4020	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cores	2	Intel® Secure Key	✓
Processor threads	2	Intel® OS Guard	✓
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		

Processor		Processor special features	
Tjunction	105 °C	Intel Software Guard Extensions (Intel SGX)	✓
Maximum number of PCI Express lanes	6	Intel 64	✓
PCI Express slots version	2.0	Execute Disable Bit	✓
PCI Express configurations	1x4+1x2, 2x1+1x2+1x2, 4x1	Idle States	✓
Memory		Thermal Monitoring Technologies	✓
Internal memory *	4 GB	Processor package size	25 x 24 mm
Internal memory type	LPDDR4-SDRAM	Supported instruction sets	SSE4.2
Memory clock speed	2400 MHz	CPU configuration (max)	1
Memory form factor	On-board	Embedded options available	✗
Maximum internal memory *	4 GB	UART	✓
Storage		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Total storage capacity *	32 GB	Intel Virtualization Technology (VT-x)	✓
Storage media *	eMMC	Processor ARK ID	197310
Flash memory	32 GB	Battery	
Optical drive type *	✗	Battery technology	Lithium-Ion (Li-Ion)
Card reader integrated	✗	Number of battery cells	3
Graphics		Battery capacity *	42 Wh
Discrete graphics card model *	Not available	Battery voltage	11.4 V
On-board graphics card *	✓	Battery weight	200 g
On-board GPU manufacturer	Intel	Power	
Discrete graphics card *	✗	AC adapter power	65 W
On-board graphics card model *	Intel® UHD Graphics 600	AC adapter frequency	50 - 60 Hz
On-board graphics card base frequency	200 MHz	AC adapter input voltage	100 - 240 V
On-board graphics card burst frequency	650 MHz	AC adapter output current	3.25 A
Maximum on-board graphics card memory	8 GB	AC adapter output voltage	20 V
Number of execution units	12	USB Power Delivery (USB PD)	✓
On-board graphics card DirectX version	12.0	Security	
On-board graphics card OpenGL version	4.4	Cable lock slot	✓
On-board graphics card ID	0x3185	Cable lock slot type	Noble
Audio		Operational conditions	
Number of built-in speakers	2	Operating temperature (T-T)	0 - 35 °C
Speaker power	2 W	Storage temperature (T-T)	-40 - 65 °C
Built-in microphone	✓	Operating relative humidity (H-H)	10 - 90%
Camera		Storage relative humidity (H-H)	0 - 95%
Front camera	✓	Operating altitude	0 - 3048 m
Front camera resolution (numeric)	1 MP	Non-operating altitude	0 - 10668 m
Front camera resolution	1280 x 720 pixels	Operating shock	160 G
Front camera HD type	HD	Non-operating shock	160 G
Video capturing speed	30 fps	Operating vibration	0.66 G
Network		Non-operating vibration	1.33 G
Top Wi-Fi standard *	Wi-Fi 5 (802.11ac)	Weight & dimensions	
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)	Width	303.9 mm
Mobile network connection *	✗	Depth	207.9 mm
Antenna type	2x2	Height (front)	2.08 cm
WLAN controller model	Intel Dual Band Wireless-AC 9560	Height (rear)	2.08 cm
Ethernet LAN	✗	Weight *	1.29 kg
Bluetooth	✓	Packaging content	
		Cables included	AC

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