DELL Chromebook 3110 Intel® Celeron® N N4500 29.5 cm (11.6") Touchscreen HD 4 GB LPDDR4x-SDRAM 64 GB eMMC Wi-Fi 6 (802.11ax) ChromeOS Black

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

Product name : 3110

DELL Chromebook 3110. Product type: Chromebook, Form factor: Clamshell. Processor family: Intel® Celeron® N, Processor model: N4500, 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: 64 GB, Storage media: eMMC. Operating system installed: ChromeOS. Product colour: Black

Design

Product type *	Chromebook
Product colour *	Black
Form factor *	Clamshell
Market positioning	Educational

Display

Display diagonal *	29.5 cm (11.6")
Display resolution *	1366 x 768 pixels
Touchscreen *	✔
HD type	HD
Panel type	TN
Anti-glare screen	✔
Display brightness	220 cd/m²
Pixel density	135 ppi
RGB colour space	NTSC
Colour gamut	45%
Maximum refresh rate	60 Hz
Contrast ratio (typical)	500:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Celeron® N
Processor model *	N4500
Processor cores	2
Processor boost frequency	2.8 GHz
Processor frequency *	1.1 GHz
Processor cache	4 MB
Processor cache type	Smart Cache

Memory

Internal memory *	4 GB
Internal memory type	LPDDR4x-SDRAM
Memory clock speed	2933 MHz
Memory form factor	On-board
Maximum internal memory *	4 GB
Memory data transfer rate	2933 MT/s
ECC	✘

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Combo headphone/mic port	✔
Charging port type	USB Type-C
USB Type-C DisplayPort Alternate Mode	✔
PowerShare	✔

Keyboard

Pointing device	Touchpad
Keyboard language	Nordic
Numeric keypad *	✘

Software

Operating system installed *	ChromeOS

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	3
Battery capacity *	42 Wh
Battery voltage	11.4 V
Battery recharge time	4 h
Battery weight	200 g

Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
USB charging voltage	20,5,9,15 V
USB charging current	3.25 A

Security

Cable lock slot	✔

Operational conditions

Operating temperature (T-T)	0 - 35 °C
Storage temperature (T-T)	-40 - 65 °C

Storage

Total storage capacity *	64 GB
Storage media *	eMMC
Flash memory	64 GB
Optical drive type *	✗

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

Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution (numeric)	0.92 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 6 (802.11ax)
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, Wi-Fi 6 (802.11ax), 802.11g, Wi-Fi 4 (802.11n)
Mobile network connection *	✗
Wi-Fi data rate (max)	2400 Mbit/s
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6 AX201
WLAN controller manufacturer	Intel
Bluetooth	✔

Operational conditions

Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	0 - 95%
Operating altitude	-15.2 - 3048 m
Non-operating altitude	-15.2 - 10668 m
Operating shock	110 G
Non-operating shock	160 G
Operating vibration	0.66 G
Non-operating vibration	1.3 G

Sustainability

Sustainability certificates	TCO

Weight & dimensions

Width	303.9 mm
Depth	207.9 mm
Height (front)	2.08 cm
Height (rear)	2.08 cm
Weight *	1.28 kg

Carbon footprint

Total carbon footprint (kg of CO2e)	229
Total carbon emissions, standard deviation (kg of CO2e)	42
Carbon emissions, manufacturing (kg of CO2e)	201
Carbon emissions, logistics (kg of CO2e)	9
Carbon emissions, energy usage (kg of CO2e)	17
Carbon emissions, end-of-life (kg of CO2e)	1
Total carbon emissions, w/o use phase (kg of CO2e)	211
PAIA version	1.3.2, 2022

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