

Chromebook 3120

Specifications



Technical Specifications

Table 1. System Information

Feature	Specification
System Chipset	Intel Atom
Smart Cache	1MB L2 Cache
BIOS Chip	8 MB

Table 2. Processor

Feature	Specification
Processor type	N2840
L1 cache	On-die, 32 KB 8-way L1 instruction cache and 24 KB 6-way L1 data cache per core
L2 cache	On-die, 1 MB, 16-way L2 cache, shared per two cores

Table 3. Memory

Feature	Specification
Type	DDR3L
Speed	1333 MT/s
Minimum Memory	2 GB
Maximum memory	4 GB

Table 4. Audio

Feature	Specification
Integrated	Dual-channel High-Definition audio

Table 5. Communication

Feature	Specification
Wireless	IEEE802.11AC and BT 4.0

Table 6. Ports and Connectors

Feature	Specification
Connector DC-IN	One (7.4mm)
Audio	Microphone/Headphone Global Headset
USB 2.0	One
USB 3.0	One with BC1.2 charging

Feature	Specification
Video	One HDMI 1.4a
Memory card reader	SD 3.0

Table 7. Display

Feature	Specification	
	Non-Touch	Touch
Type	Normally White	Normally White
Size	11.6 inches	11.6 inches
Dimensions:		
Height	155.3 mm (panel OD: 168 mm)	(panel OD: 172mm)
Width	265.2 mm (panel OD: 278mm with bracket)	265.2 mm (panel OD: 278mm with bracket)
Diagonal	293.8 mm	293.8 mm
Active area (X/Y)	256.125 x 144.0 mm	256.125 x 144.0 mm
Maximum resolution	1366 x 768 pixels	1366 x 768 pixels
Maximum Brightness	220 cd/m ²	220 cd/m ²
Refresh rate	60 Hz/48Hz	60 Hz/48Hz
Operating angle	0° (closed) to 180°	0° (closed) to 180°
Minimum viewing angles:		
Horizontal	45/45	45/45
Vertical	15/35	15/35

Table 8. Keyboard

Feature	Specification
Number of keys	<ul style="list-style-type: none"> • United States: 74 keys • United Kingdom: 75 keys • Brazil: 76 keys • Japan: 78 keys
Layout	QWERTY/AZERTY/Kanji

Table 9. Touchpad

Feature	Specification
Active Area:	
X-axis	96.3 mm
Y-axis	52.3 mm

Table 10. Camera

Feature	Specification
Type	HD Camera / Digital Array Microphone
Still Resolution	0.92 megapixels (Maximum)
Video Resolution	1280 x 720 pixels at 30 frames per second (Maximum)
Diagonal	74 degrees

Table 11. Storage

Feature	Specification
Storage:	
Storage Interface	eMMC 4.5
Size:	16 GB

Table 12. Battery

Feature	Specification
Type	FRU
Dimensions:	249.1mm X 73.85mm X 6.7mm
Battery capacity	43Wh
Depth	73.85 mm
Height	6.70 mm
Width	249.1 mm
Weight	240g Max
Temperature range:	
Operating (approximate)	0°C~45°C
Non-operating	Low Temp.<-3°C; High Temp.>60°C

Table 13. AC Adapter

Feature	Specification
Input voltage	100 VAC to 240 VAC
Input current (maximum)	1.80 A
Input frequency	50 Hz to 60 Hz
Output power	65 W
Output current	6.67 A
Rated output voltage	19.50 VDC

Feature	Specification
Dimensions:	
Height	22 mm (0.86 inches)
Width	66 mm (2.59 inches)
Depth	143 mm (5.62 inches)
Temperature range:	
Operating	0 °C to 40 °C (32 °F to 104 °F)
Non-Operating	-40 °C to 70 °C (-40 °F to 158 °F)

Table 14. Physical Dimensions

Physical	Specification
Height:	
Front	20.1 mm
Back	21.0 mm
Width	297.00 mm
Depth	217.00 mm
Weight	
Non-Touch	2.79 lb (1266 g)
Touch	2.97 lb (1346 g)

Table 15. Environmental

Feature	Specification
Temperature range:	
Operating	0 °C to 40 °C (32 °F to 104°F)
Storage	-40 °C to 70 °C (-40 °F to 158 °F)
Relative humidity (maximum):	
Operating	10 % to 90 % (non-condensing)
Storage	10 % to 95 % (non-condensing)
Maximum vibration:	
Operating	0.66 GRMS, 2 Hz - 600 Hz
Storage	1.3 GRMS, 2 Hz - 600 Hz
Maximum shock:	
Operating	110 G, 2 ms
Non-operating	160 G, 2 ms
Altitude:	

Feature	Specification
Operating	-15.2 m to 3048 m (-50 to 10,000 ft)
Storage	15.2 m to 10,668 m (-50 ft to 35,000 ft)
Airborne contaminant level	G1 as defined by ISA-S71.04-1985