



CBE594-3-TCO Specifications (v5-0-3)		
Category	Description	Footnotes
Operating system 1	ChromeOS	
CPU and chipset 1	Intel® Core™ 3 processor N355 (6 MB Smart Cache, 1.9 GHz with Intel® Turbo Boost Technology 2.0 up to 3.9 GHz)	
Memory 1, 2, 3	Single-channel LPDDR5X SDRAM support • 16 GB of onboard LPDDR5X system memory Single-channel LPDDR5X SDRAM support • 8 GB of onboard LPDDR5X system memory Memory Frequency : Up to 4800 MT/s	
Display	14.0" display with IPS (In-Plane Switching) technology, WUXGA 1920 x 1200, Acer ComfyView™ LED-backlit TFT LCD 16:10 aspect ratio, color gamut NTSC 45%(Typical value) Wide viewing angle up to 170 degrees Mercury free, environment friendly	4
Graphics 1	Intel® Graphics Graphics Special Technology# • AVC, VP9, AV1, HEVC, VP8 HW Accelerated Video Decode • AVC, VP9, HW Accelerated Video Encode • JPEG HW Accelerated Imaging Encode • OpenGL &OpenGL ES	5
Audio	• DTS® Audio, featuring optimized bass / treble response and micro-speaker distortion prevention • Two built-in stereo upward firing speakers • Acer Purified Voice technology with 3 build-in microphones array to support AI noise Cancellation on both omnidirectional mode &privacy mode with beamforming technology.	
Storage	Solid state drive • 128 GB / 256 GB / 512 GB, PCIe Gen4, 16 Gb/s, NVMe • 128 GB eMMC	1, 6 6
Webcam 1	Video conferencing UFC with • Double T-Type USB FHD Camera • Compatible with Chromebook only • 1920 x 1080 resolution • 1080p video with Temporal Noise Reduction • Staggered High Dynamic Range (SHDR) • 86 x 3.2 (4.2) x 3 mm • Blue glass lens • Dual Mic (33 mm + 33 mm)	

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Wireless and networking	1	WLAN • Intel® Wireless Wi-Fi 6E AX211 • 802.11 a/b/g/n/ac/ax wireless LAN • Band: 2.4 GHz, 5 GHz, and 6 GHz • 2x2 MU-MIMO technology • Intel® Wi-Fi 7 Wireless LAN • 802.11 a/b/g/n/ac/ax/be • Band: 2.4 GHz, 5 GHz, and 6 GHz • 2x2 MIMO technology WPAN Supports Bluetooth® 5.3 or above
Security		Discrete H1 Trusted Platform Module (TPM) solution for Chromebook Camera shutter Kensington lock (Nano-type)
Dimensions and weight	7, 8	Dimensions • 315 (W) x 227.6 (D) x 17.95/18.5 (H) mm (12.4 x 8.96 x 0.71/0.73 inches) Weight • 1.4 kg (3.09 lbs.) with 3-cell battery pack
Power adapter and battery		Power adapter 65 W PD PCR 50%, TCO 10.0 AC adapter • 5 V / 3 A or 9 V / 3 A or 12 V / 3 A or 15 V / 3 A or 20 V / 3.25 A as output power • 90.0 (W) x 51.0 (D) x 28.5 (H) mm • 192g ± 10% with 150 cm DC cable • Black color with Acer logo • Brick type AC pins • Paper sleeve packaging Battery • 53 Wh 3-cell Li-ion battery • Supports Fast Charging technology • For models with WUXGA Panel + SSD Battery life based on Power Qualification Test v2 for ChromeOS: Up to 12 hours (based on video playback test results) Up to 15 hours (based on web browsing test results)
Input and control		Keyboard 80-/81-/84-key ChromeOS FineTip keyboard, Quick Insert Key, Vavildi 2.0 design, Good typing feeling with painting and optimal travel distance. International language support. 80-/81-/84-key ChromeOS FineTip white backlight keyboard, Quick Insert Key, Vavildi 2.0 design, Good typing feeling with optimal travel distance and international language support. TouchPad

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	Fully clickable touchpad featuring click-anywhere functionality: One-finger touch to left-click, two-finger touch to right-click, and two-finger scrolling * Moisture resistant * OceanGlass™ Touchpad	
Input and output	USB Type-C USB Type-C™ port supporting: • USB 3.2 Gen 1 (up to 5 Gbps) • USB charging 5 V; 3 A • DC-in port 5 or 9 or 15 or 20 V; 65 W Two USB Type-C™ ports USB Standard A Two USB Standard-A ports, supporting: • Two ports for USB 3.2 Gen 1 HDMI® 1.4 port with HDCP support 3.5 mm headphone/speaker jack, supporting headsets with built-in microphone	
Sensors	Hall sensor	
System compliance	ENERGY STAR® TCO Certified EPEAT® Gold	10
Warranty	One-year International Travelers Warranty (ITW)	
Quality and reliability tests	Military Reliability Test MIL total test items as below. Military Reliability Test: High Temperature Non-Operating (MIL-STD 810H) Military Reliability Test: Low Temperature Non-Operating (MIL-STD 810H) Military Reliability Test: Low Temperature Operating (MIL-STD 810H) Military Reliability Test: High Temperature Operating (MIL-STD 810H) Military Reliability Test: Vibration Operating (MIL-STD 810H) Military Reliability Test: Transit Drop (Unpackaged) 122 cm (MIL-STD 810H) Military Reliability Test: Transit Drop (Packaged) 122 cm (MIL-STD 810H) Military Reliability Test: Sand and Dust (MIL-STD 810F) Military Reliability Test: Humidity (MIL-STD 810H) Military Reliability Test: Rain (MIL-STD 810H)	
1. Specifications vary depending on model. 2. Shared system memory may be allocated to support graphics, depending on system memory size and other factors. Actual system memory available to the operating system will be reduced by any memory used by the graphics solution and resources required by the operating environment. 3. Memory speed may vary, depending on the CPU, chipset or memory fitted. 4. All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products. 5. Not all features indicated are supported on all SKUs		

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6. 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Acer Recovery Management uses a portion of the stated hard disk capacity as dedicated backup space.
7. Minor variations in system dimensions are possible due to the manufacturing process.
8. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
9. The listed battery life is tested by Google according to this formula (the test loops and continues running until the battery is drained): The first 60% of the test period is 1) Browsing: A new web page is loaded every minute. The web page is scrolled down to the first "page fold" (the bottom of the part of a web page that is visible on an average screen – a depth of around 600 pixels) every 10 seconds, then scrolled back up at the same rate. The next 20% of the test period is 2) Email: Gmail is loaded in the foreground tab and audio is streamed from a background tab. The next 10% is 3) Documents: Various Google Docs are loaded. The final 10% is 4) Online Video: A full-screen 720p YouTube video is played
10. EPEAT® registration varies by country. See <http://www.epeat.net/> for registration status for each country.

In a continuing effort to improve the quality of our products, information in this document is subject to change without notice. Images shown are only representations of some of the configurations available for this model. Availability may vary depending on region.

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As a phenomenon known to thin-film transistors (TFTs), liquid crystal displays (LCDs) commonly exhibit a small number of discoloration dots, as so-called "non-conforming pixels." This phenomenon is a limitation of TFT LCD technology, not a product defect, and as such is not covered by Acer's warranty.

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Appendix

v2-0-1 (Ver. 2)

System compliance

v3-0-2 (Ver. 3)

No changes found!

v4-0-2 (Ver. 4)

Webcam

v5-0-3 (Ver. 5)

Memory

Dimensions and weight