

Asus Accessibility Conformance Report

Revised Section 508 Edition

(Based on VPAT® Version 2.4)

Name of Product/Version: Asus Chromebook CR1100

Report Date: December 7, 2021

Product Description: Notebook PC

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes) Level AA (Yes) Level AAA (No)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(Yes)

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports:** The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports:** Some functionality of the product does not meet the criterion.
- **Does Not Support:** The majority of product functionality does not meet the criterion.

- **Not Applicable:** The criterion is not relevant to the product.
- **Not Evaluated:** The product has not been evaluated against the criterion. This can be used only in WCAG 2.0 Level AAA.

Chapter 3: [Functional Performance Criteria \(FPC\)](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision Where a visual mode of operation is provided, ICT shall provide at least one mode of operation that does not require user vision.	Support	Multi-input method is supported by Touchpad, an internal keyboard, and external mouse (sold separately), also the audible response could through a stereo speaker built-in device, that doesn't require user vision.
302.2 With Limited Vision Where a visual mode of operation is provided, ICT shall provide at least one mode of operation that enables users to make use of limited vision.	Support	Keyboard has high contrast printing and guiding hump to mitigate user staring on keyboard. Touchpad also provide the easiest way to control and launch apps
302.3 Without Perception of Color Where a visual mode of operation is provided, ICT shall provide at least one visual mode of operation that does not require user perception of color.	Support	Color is not for control and recognizing in operation.
302.4 Without Hearing Where an audible mode of operation is provided, ICT shall provide at least one mode of operation that does not require user hearing.	Support	There're multiple ways for alert and notify users, hearing is also not required operation.
302.5 With Limited Hearing Where an audible mode of operation is provided, ICT shall provide at least one mode of operation that enables users to make use of limited hearing.	Support	Hearing is not required to operate. Volume control also provided on Keyboard with visual feedback, user can choose the sound output from internal speaker or an earphone through audio jack.
302.6 Without Speech Where speech is used for input, control, or operation, ICT shall provide at least one mode of operation that does not require user speech.	Support	Speech is not required for control and operation. Hardware provides alternate input method with trackpad and keyboard.

302.7 With Limited Manipulation Where a manual mode of operation is provided, ICT shall provide at least one mode of operation that does not require fine motor control or simultaneous manual operations.	Support	User can operate by one hand with keyboard, trackpad or speech as input by built-in microphone.
302.8 With Limited Reach and Strength Where a manual mode of operation is provided, ICT shall provide at least one mode of operation that is operable with limited reach and limited strength.	Support	User can operate by one hand with keyboard, trackpad or speech as input by built-in microphone. Each operation of function control would require minimum force and strength.
302.9 With Limited Language, Cognitive, and Learning Abilities ICT shall provide features making its use by individuals with limited cognitive, language, and learning abilities simpler and easier.	Support	Keyboard has high contrast, simple symbols and icons, which requires minimum cognitive and learning abilities.

Chapter 4: [Hardware](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
402 Closed Functionality	Heading cell – no response required	Heading cell – no response required
402.1 General	Heading cell – no response required	Heading cell – no response required
402.2 Speech-Output Enabled	Heading cell – no response required	Heading cell – no response required
402.2.1 Information Displayed On-Screen Speech output shall be provided for all information displayed on-screen.	Not Applicable	Hardware is ready for Operating System to achieve this function.
402.2.2 Transactional Outputs Where transactional outputs are provided, the speech output shall audibly provide all information necessary to verify a transaction.	Not Applicable	Hardware is ready for Operating System to achieve this function.
402.2.3 Speech Delivery Type and Coordination Speech output shall be delivered through a mechanism that is readily available to all users, including, but not limited to, an industry standard connector or a telephone handset. Speech shall be recorded or digitized human, or synthesized. Speech output shall be coordinated with information displayed on the screen.	Not Applicable	Hardware is ready for Operating System to achieve this function.
402.2.4 User Control Speech output for any single function shall be automatically interrupted when a transaction is selected. Speech output shall be capable of being	Not Applicable	Hardware is ready for Operating System to achieve this function.

Criteria	Conformance Level	Remarks and Explanations
repeated and paused.		
<p>402.2.5 Braille Instructions Where speech output is required by 402.2, braille instructions for initiating the speech mode of operation shall be provided. Braille shall be contracted and shall conform to 36 CFR part 1191, Appendix D, Section 703.3.1. EXCEPTION: Devices for personal use shall not be required to conform to 402.2.5.</p>	Not Applicable	Hardware is ready for Operating System to achieve this function.
402.3 Volume	Heading cell – no response required	Heading cell – no response required
<p>402.3.1 Private Listening Where ICT provides private listening, it shall provide a mode of operation for controlling the volume. Where ICT delivers output by an audio transducer typically held up to the ear, a means for effective magnetic wireless coupling to hearing technologies shall be provided.</p>	Support	Hardware provides an audio jack for earphone; Bluetooth is also supported for Bluetooth audio solutions. The volume control is either by physical button or by visual bar displayed on screen.
<p>402.3.2 Non-private Listening Where ICT provides non-private listening, incremental volume control shall be provided with output amplification up to a level of at least 65 dB. A function shall be provided to automatically reset the volume to the default level after every use.</p>	Partially Supports	Hardware build-in a speaker that has up to 80dB with certain audio type, automatically volume reset is supported by operating system where available.
<p>402.4 Characters on Display Screens At least one mode of characters displayed on the screen shall be in a sans serif font. Where ICT does not provide a screen enlargement feature, characters shall be 3/16 inch (4.8 mm) high minimum based on the uppercase letter “I”. Characters shall contrast with their background with either light characters on a dark background or dark characters on a light background.</p>	Not Applicable	Hardware is ready for Operating System to achieve this function.
<p>402.5 Characters on Variable Message Signs Characters on variable message signs shall conform to section 703.7 Variable Message Signs of ICC A117.1-2009 (incorporated by reference, see 702.6.1).</p>	Not Applicable	Not Applicable
403 Biometrics	Heading cell – no response required	Heading cell – no response required
<p>403.1 General Where provided, biometrics shall not be the only means for user identification or control. EXCEPTION: Where at least two biometric options that use different</p>	Support	User can be identified by input password

Criteria	Conformance Level	Remarks and Explanations
biological characteristics are provided, ICT shall be permitted to use biometrics as the only means for user identification or control.		
<u>404 Preservation of Information Provided for Accessibility</u>	Heading cell – no response required	Heading cell – no response required
404.1 General ICT that transmits or converts information or communication shall not remove non-proprietary information provided for accessibility or shall restore it upon delivery.	Support	Original structure and description will be preserved.
<u>405 Privacy</u>	Heading cell – no response required	Heading cell – no response required
405.1 General The same degree of privacy of input and output shall be provided to all individuals. When speech output required by 402.2 is enabled, the screen shall not blank automatically.	Support	Speech input is not required to operate, user could use earphone through audio jack or Bluetooth solution to ensure privacy
<u>406 Standard Connections</u>	Heading cell – no response required	Heading cell – no response required
406.1 General Where data connections used for input and output are provided, at least one of each type of connection shall conform to industry standard non-proprietary formats.	Support	Hardware support designs with industry standard, user can find devices to connect with minimum effort in market.
<u>407 Operable Parts</u>	Heading cell – no response required	Heading cell – no response required
407.2 Contrast Where provided, keys and controls shall contrast visually from background surfaces. Characters and symbols shall contrast visually from background surfaces with either light characters or symbols on a dark background or dark characters or symbols on a light background.	Support	All physical keys and keys for control is in high contrast printing where light symbols on dark background.
<u>407.3 Input Controls</u>	Heading cell – no response required	Heading cell – no response required
407.3.1 Tactilely Discernible Input controls shall be operable by touch and tactilely discernible without activation.	Support	input and touch is operable without activation.
407.3.2 Alphabetic Keys Where provided, individual alphabetic keys shall be arranged in a QWERTY-based keyboard layout and the “F” and “J” keys shall be tactilely distinct from the other keys.	Support	“F” and “J” key on keyboard has tactile nubs
407.3.3 Numeric Keys Where provided, numeric keys shall be arranged in a 12-key ascending or descending keypad layout. The number five key shall be tactilely	Support	A 12-key ascending numeric with tactile nub on “5” is supported by connecting a Bluetooth or USB keyboard(available

Criteria	Conformance Level	Remarks and Explanations
distinct from the other keys. Where the ICT provides an alphabetic overlay on numeric keys, the relationships between letters and digits shall conform to ITU-T Recommendation E.161 (incorporated by reference, see 702.7.1).		separately)
407.4 Key Repeat Where a keyboard with key repeat is provided, the delay before the key repeat feature is activated shall be fixed at, or adjustable to, 2 seconds minimum.	Support	Keyboard repeat rate is supported and adjustable with operating system combined
407.5 Timed Response Where a timed response is required, the user shall be alerted visually, as well as by touch or sound, and shall be given the opportunity to indicate that more time is needed.	Support	With features that operating system provided, display dims or turns off, it is adjustable by users.
407.6 Operation At least one mode of operation shall be operable with one hand and shall not require tight grasping, pinching, or twisting of the wrist. The force required to activate operable parts shall be 5 pounds (22.2 N) maximum.	Support	Users can operate with one hand and require minimum force and dexterity.
407.7 Tickets, Fare Cards, and Keycards Where tickets, fare cards, or keycards are provided, they shall have an orientation that is tactilely discernible if orientation is important to further use of the ticket, fare card, or keycard.	Not Applicable	Not Applicable
407.8 Reach Height and Depth	Heading cell – no response required	Heading cell – no response required
407.8.1 Vertical Reference Plane	Not Applicable	Not Applicable
407.8.1.1 Vertical Plane for Side Reach	Not Applicable	Not Applicable
407.8.1.2 Vertical Plane for Forward Reach	Not Applicable	Not Applicable
407.8.2 Side Reach	Not Applicable	Not Applicable
407.8.2.1 Unobstructed Side Reach	Not Applicable	Not Applicable
407.8.2.2 Obstructed Side Reach	Not Applicable	Not Applicable
407.8.3 Forward Reach	Not Applicable	Not Applicable
407.8.3.1 Unobstructed Forward Reach	Not Applicable	Not Applicable
407.8.3.2 Obstructed Forward Reach	Not Applicable	Not Applicable
407.8.3.2.1 Operable Part Height for ICT with Obstructed Forward Reach	Not Applicable	Not Applicable
407.8.3.2.2 Knee and Toe Space under ICT with Obstructed Forward Reach	Not Applicable	Not Applicable

Criteria	Conformance Level	Remarks and Explanations
<u>408 Display Screens</u>	Heading cell – no response required	Heading cell – no response required
408.2 Visibility Where stationary ICT provides one or more display screens, at least one of each type of display screen shall be visible from a point located 40 inches (1015 mm) above the floor space where the display screen is viewed.	Not Applicable	Not Applicable
408.3 Flashing Where ICT emits lights in flashes, there shall be no more than three flashes in any one-second period. EXCEPTION: Flashes that do not exceed the general flash and red flash thresholds defined in WCAG 2.0 (incorporated by reference, see 702.10.1) are not required to conform to 408.3.	Support	Text and indicator shall not blinking higher than 2Hz in default settings.
<u>409 Status Indicators</u>	Heading cell – no response required	Heading cell – no response required
409.1 General Where provided, status indicators shall be discernible visually and by touch or sound.	Support	All Control could be from physically clicks or toggle of keys, status change will be notify by display or sound with combined operating system
<u>410 Color Coding</u>	Heading cell – no response required	Heading cell – no response required
410.1 General Where provided, color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Support	Color coding is not to convey information of indicates alone.
<u>411 Audible Signals</u>	Heading cell – no response required	Heading cell – no response required
411.1 General Where provided, audible signals or cues shall not be used as the only means of conveying information, indicating an action, or prompting a response	Support	User could get information or cues visually with combined operating system.
<u>412 ICT with Two-Way Voice Communication</u>	Heading cell – no response required	Heading cell – no response required
<u>412.2 Volume Gain</u>	Heading cell – no response required	Heading cell – no response required
412.2.1 Volume Gain for Wireline Telephones Volume gain conforming to 47 CFR 68.317 shall be provided on analog and digital wireline telephones.	Not Applicable	Not Applicable
412.2.2 Volume Gain for Non-Wireline ICT A method for increasing volume shall be provided for non-wireline ICT.	Support	Physical visually control key is provided with combined operating system.

Criteria	Conformance Level	Remarks and Explanations
412.3 Interference Reduction and Magnetic Coupling	Heading cell – no response required	Heading cell – no response required
412.3.1 Wireless Handsets ICT in the form of wireless handsets shall conform to ANSI/IEEE C63.19-2011 (incorporated by reference, see 702.5.1).	Not Applicable	Not Applicable
412.3.2 Wireline Handsets ICT in the form of wireline handsets, including cordless handsets, shall conform to TIA-1083-B (incorporated by reference, see 702.9.1).	Not Applicable	Not Applicable
412.4 Digital Encoding of Speech ICT in IP-based networks shall transmit and receive speech that is digitally encoded in the manner specified by ITU-T Recommendation G.722.2 (incorporated by reference, see 702.7.2) or IETF RFC 6716 (incorporated by reference, see 702.8.1).	Not Applicable	Not Applicable
412.5 Real-Time Text Functionality	Reserved for future	Reserved for future
412.6 Caller ID Where provided, caller identification and similar telecommunications functions shall be visible and audible.	Not Applicable	Not Applicable
412.7 Video Communication Where ICT provides real-time video functionality, the quality of the video shall be sufficient to support communication using sign language.	Support	Hardware provide camera and microphone and network connection ability (such as 802.11b/g/n/ax) for a video call combined with operating system and apps.
412.8 Legacy TTY Support	Heading cell – no response required	Heading cell – no response required
412.8.1 TTY Connectability	Not Applicable	Not Applicable
412.8.2 Voice and Hearing Carry Over	Not Applicable	Not Applicable
412.8.3 Signal Compatibility	Not Applicable	Not Applicable
412.8.4 Voice Mail and Other Messaging Systems	Not Applicable	Not Applicable
<u>413 Closed Caption Processing Technologies</u>	Heading cell – no response required	Heading cell – no response required
413.1.1 Decoding and Display of Closed Captions	Not Applicable	Not Applicable
413.1.2 Pass-Through of Closed Caption Data	Not Applicable	Not Applicable
<u>414 Audio Description Processing Technologies</u>	Heading cell – no response required	Heading cell – no response required
414.1.1 Digital Television Tuners	Not Applicable	Not Applicable
414.1.2 Other ICT	Not Applicable	Not Applicable
<u>415 User Controls for Captions and Audio Descriptions</u>	Heading cell – no response required	Heading cell – no response required

Criteria	Conformance Level	Remarks and Explanations
415.1.1 Caption Controls	Not Applicable	Not Applicable
415.1.2 Audio Description Controls	Not Applicable	Not Applicable

Chapter 5: [Software](#)

Notes: This is a Hardware VPAT forms, please see software vpat form against available OS and applications

Chapter 6: [Support Documentation and Services](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required
602 Support Documentation	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features Documentation shall list and explain how to use the accessibility and compatibility features required by Chapters 4 and 5. Documentation shall include accessibility features that are built-in and accessibility features that provide compatibility with assistive technology.	Support	Product introduction and documentation is available at https://www.asus.com/us/support/ Vpat form is available at https://www.asus.com/US/supportonly/CR1100CKA/HelpDesk_Manual/ https://www.asus.com/US/supportonly/CR1100FKA/HelpDesk_Manual/
602.3 Electronic Support Documentation Documentation in electronic format, including Web-based self-service support, shall conform to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1).	See WCAG 2.0 section	The electronic web-based product documentation conforms to both Level A and Level AA Success Criteria in WCAG 2.0.
602.4 Alternate Formats for Non-Electronic Support Documentation Where support documentation is only provided in non-electronic formats, alternate formats usable by individuals with disabilities shall be provided upon request.	Support	Non-electronic documentation is available on demands with sales representatives.
603 Support Services	Heading cell – no response required	Heading cell – no response required

Criteria	Conformance Level	Remarks and Explanations
603.2 Information on Accessibility and Compatibility Features ICT support services shall include information on the accessibility and compatibility features required by 602.2.	Support	Asus Support page provides product information on compatibility and accessibilities at https://www.asus.com/us/support/
603.3 Accommodation of Communication Needs Support services shall be provided directly to the user or through a referral to a point of contact. Such ICT support services shall accommodate the communication needs of individuals with disabilities.	Support	Asus Provide support information through web link https://www.asus.com/us/support/ https://www.asus.com/us/support/callus

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