

Section 508 Evaluation

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Name of Product:

Lenovo/LenovoEMC Network Attached Storage (NAS) Devices

Contact for more Information:

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Refer to the: [ITIC Voluntary Product Accessibility Template \(VPAT\) FAQ](#) to see Best Practices for filling out the following form.

Summary Table		
Criteria	Supporting Features	Remarks and explanations
Section 1194.21 Software Applications and Operating Systems	Supports 11 of 12 standards that apply with no exceptions	1 standard (j) does not apply
Section 1194.22 Web-based internet information and applications	Supports 14 of 16 standards that apply with 1 exception (a)	1 standard (a) of 14 is partially supported. 2 standards (b, e) do not apply.
Section 1194.23 Telecommunications Products	Not Applicable	Device is a network storage product
Section 1194.24 Video and Multi-media Products	Not Applicable	Device is a network storage product
Section 1194.25 Self-Contained, Closed Products	Not Applicable	Device is a network storage product
Section 1194.26 Desktop and Portable Computers	Not Applicable	Device is a network storage product
Section 1194.31 Functional Performance Criteria	Supports 3 of 6 standards that apply with no exceptions	3 standards (c, d, e) do not apply
Section 1194.41 Information, documentation, and support.	Supports 2 of 3 standards, one partially	2 standards are supported, 1 of the 2 partially (c), 1 is not supported (b).

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Section 1194.21 Software Applications and Operating Systems

* Refer to (<http://www.access-board.gov/sec508/guide/1194.21.htm>) for details on the guidelines listed below.

<i>Criteria</i>	Supporting Features	Remarks and explanations
(a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.	Mainline software functionality is provided via standard web-based GUI accessible from common browsers such as Microsoft Internet Explorer. Accessibility features from Windows and IE include: standard keyboard navigation capabilities, including control over input focus location, mnemonics and shortcuts. Provided keyboard also has a number of dedicated shortcut keys. Some advanced functionality is accessed through command-line interface (CLI)	Supported: user interface uses browser defaults. All GUI navigation can be performed through keyboard Tab/Enter keys
(b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer.	Product does not interfere with operating system accessibility, features via a web browser, or with the accessibility features of other products	Supported. Style sheets may apply when running within the application. Browser and operating system controls are still accessible
(c) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes.	The input focus is clearly indicated in the GUI through the cursor or highlighted graphical element. Programmatic exposure of focus control would be through standard browser and operating system interfaces	Supported. Utilizes browser and operating system capabilities
(d) Sufficient information about a user interface element including the identity, operation and state of the	User interface elements are either textual, or in the case of icons,	Supported. Utilizes browser capabilities

element shall be available to Assistive Technology. When an image represents a program element, the information conveyed by the image must also be available in text.	have an associated ALT text label associated with them available with a mouse-over	
(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance.	Icons and other graphical components are used with consistent meanings within application	Supported
(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes.	Textual information is presented using the browser and operating system standard display functions, which include text content, text input caret location, and text attributes. Textual information returned from the CLIs is presented using standard operating system calls	Supported
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	User selected contrast and color settings and other display attributes set in the operating system or browser are maintained	Supported, subject to the standard application of product-specific style sheets applied within the browser
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Animation is not used as the sole means for conveying important information	Supported, in a few cases animation of text is used to draw attention to a status (e.g. Please wait)
(i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.	Differences in color are not relied on as the sole means of conveying visual information	Supported, in cases where color indicates a status, there is corresponding mouse-over text to indicate the status level
(j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided.	Not Applicable	Application relies on underlying operating system and browser user interface to adjust color and contrast level
(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and	Cursor rate of blinking is controlled by browser. No text blinks, but in isolated cases Text	Supported

lower than 55 Hz.	is erased and redrawn , following frequency recommendations	
(l) When electronic forms are used, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.	Application utilizes standard browser-based forms described by html and javascript	Supported. Uses operating system and browser capabilities

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Section 1194.22 Web-based Internet information and applications		
<i>* Refer to (http://www.access-board.gov/sec508/guide/1194.22.htm) for details on the guidelines listed below.</i>		
Criteria	Supporting Features	Remarks and explanations
(a) A text equivalent for every non-text element shall be provided (e.g., via "alt", "longdesc", or in element content).	Non-textual elements (icons) in general have associated ALT text which is rendered with mouse-over.	Partially supported. Certain navigation elements (e.g. forward, back arrows through a wizard) in some cases do not have associated ALT text.
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	Not Applicable	There are no multi-media elements in the application.
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	Application, in limited instances, uses color to convey information (e.g. application status). In such cases, text is also associated with the indicator icon.	Supported.
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	Application displays user manuals (e.g. User and Install Guides) through the GUI. Application also provides “contextual help” text.	Partially supported. Product publications are in Adobe .pdf form. Application contextual help is rendered as text within the browser, subject to the application style sheet and the settings within the underlying browser.
(e) Redundant text links shall be provided for each active region of a server-side image map.	Not applicable	Application does not utilize server-side image maps
(f) Client-side image maps shall be provided instead of server-side image maps except where the regions cannot be defined with an available geometric shape.	Application uses click-through images maps in a limited manner.	Supported. Image maps do not have equivalent textual links. Geometric shapes of image maps are restricted to rectangles and circles using standard well-defined browser region definitions

(g) Row and column headers shall be identified for data tables.	Application renders data tables with row and column headers to convey information.	Supported. Rows and columns are labeled with headers.
(h) Markup shall be used to associate data cells and header cells for data tables that have two or more logical levels of row or column headers.	Distinct titles are provided for tables and columns that have one or more levels.	Supported. Table-based information with two or more logical levels has sub-headers
(i) Frames shall be titled with text that facilitates frame identification and navigation	Graphical elements that are grouped into frames have a corresponding distinct title.	Supported.
(j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz.	Pages have been designed not to flicker and use browser defaults for refresh	Supported using browser capabilities.
(k) A text-only page, with equivalent information or functionality, shall be provided to make a web site comply with the provisions of this part, when compliance cannot be accomplished in any other way. The content of the text-only page shall be updated whenever the primary page changes.	Application GUI is rendered through standard browsers. Certain application reports are exportable.	Supported. Application reports, when exportable, are available in CSV format for further use with Assistive Technologies
(l) When pages utilize scripting languages to display content, or to create interface elements, the information provided by the script shall be identified with functional text that can be read by Assistive Technology.	Pages are rendered using standard browser html and javascript script.	Supported. Uses operating system and browser capabilities to render text, which could be intercepted by AT.
(m) When a web page requires that an applet, plug-in or other application be present on the client system to interpret page content, the page must provide a link to a plug-in or applet that complies with §1194.21(a) through (l).	Application in general does not require additional plug-ins for its primary function. Display of User Guides when done through the GUI require the Adobe Reader plug-in.	Supported. Link is provided through GUI to download Adobe Reader
(n) When electronic forms are designed to be completed on-line, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the	Standard OS and browser controls (including well-defined tabbing and mouse navigation) are supported	Supported, uses operating system and browser capabilities

form, including all directions and cues.		
(o) A method shall be provided that permits users to skip repetitive navigation links.	Repetitive navigation links are not utilized to navigate the application	Supported.
(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.	Timed responses are not required in the application. A 30 minute session timeout does apply, which can be configured through settings in a text-based configuration file	Supported.

Note to 1194.22: The Board interprets paragraphs (a) through (k) of this section as consistent with the following priority 1 Checkpoints of the Web Content Accessibility Guidelines 1.0 (WCAG 1.0) (May 5 1999) published by the Web Accessibility Initiative of the World Wide Web Consortium: Paragraph (a) - 1.1, (b) - 1.4, (c) - 2.1, (d) - 6.1, (e) - 1.2, (f) - 9.1, (g) - 5.1, (h) - 5.2, (i) - 12.1, (j) - 7.1, (k) - 11.4.

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Section 1194.31 Functional Performance Criteria		
<i>Criteria</i>	Supporting Features	Remarks and explanations
(a) At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for Assistive Technology used by people who are blind or visually impaired shall be provided.	Assistive Technology could be attached as supported by the underlying operating system and web browser the end user is using.	Supported using standard operating system and web browser functionality
(b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for Assistive Technology used by people who are visually impaired shall be provided.	Assistive Technology, such as screen magnifiers useful by people who are visually impaired, could be attached as supported by the underlying operating system and web browser.	Supported using operating system and standard web browser defaults.
(c) At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for Assistive Technology used by people who are deaf or hard of hearing shall be provided	Not Applicable	User hearing is not required to use this product.
(d) Where audio information is	Not Applicable	User hearing is not required to use

important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.		this product.
(e) At least one mode of operation and information retrieval that does not require user speech shall be provided, or support for Assistive Technology used by people with disabilities shall be provided.	Not Applicable	User speech is not required to use this product.
(f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided.	Specialized input devices can be configured with the underlying operating system or browser.	Supported using standard operating system and web browser functionality

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Section 1194.41 Information, documentation, and support.		
<i>Criteria</i>	Supporting Features	Remarks and explanations
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.	Supported via printed material and as a PDF document, the text portion of which can be displayed at any resolution, used with screen readers, or printed by braille embossers.	Supported
(b) End-users shall have access to a description of the accessibility and compatibility features of products in alternate formats or alternate methods upon request, at no additional charge.	Information on product accessibility and compatibility is currently not available in alternate formats.	Not Supported
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supported via web and/or telephone support services.	Partially supported

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