

## VPAT for VPAT\_ThinkPad Edge E431 / E531

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| VPAT comments: | <a href="http://shop.lenovo.com/us/en/laptops/thinkpad/edge-series/e531/">http://shop.lenovo.com/us/en/laptops/thinkpad/edge-series/e531/</a> <a href="http://shop.lenovo.com/us/en/laptops/thinkpad/edge-series/e431/">http://shop.lenovo.com/us/en/laptops/thinkpad/edge-series/e431/</a> |
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## VPAT Summary

| Criteria  | Status         | Remarks and Explanations  |
|---|----------------|---|
| § 508-1194.21 Software Applications and Operating Systems | Supports       | Refer to Section Section 1194.21 in VPAT Details section below. |
| § 508-1194.22 Web Sites and Applications                  | Not Applicable | Refer to Section Section 1194.22 in VPAT Details section below. |
| § 508-1194.23 Telecommunications products                 | Supports       | Refer to Section Section 1194.23 in VPAT Details section below. |
| § 508-1194.24 - Video and Multimedia Products.            | Not Applicable | Refer to Section Section 1194.24 in VPAT Details section below. |
| § 508-1194.25 - Self Contained, Closed Products           | Supports       | Refer to Section Section 1194.25 in VPAT Details section below. |
| § 508-1194.26 Desktop and portable computers.             | Supports       | Refer to Section Section 1194.26 in VPAT Details section below. |
| § 508-1194.31 Functional performance criteria             | Supports       | Refer to Section Section 1194.31 in VPAT Details section below. |
| § 508-1194.41 Information, documentation, and support     | Supports       | Refer to Section Section 1194.41 in VPAT Details section below. |

## VPAT Details

### § 508-1194.21 Software Applications and Operating Systems - Detail

| Criteria   | Supports   | Remarks and Explanations   |
|--|--|--|
| (a) Ensure keyboard control of application                           | Supports<br>A keyboard can be used to achieve all tasks in the application, allowing blind and mobility-impaired users to access information without the use of the mouse.   | Product meets accessibility criteria. All functions can be executed from a keyboard. |
| (b) Applications shall not disrupt or disable accessibility features | Supports<br>Operating systems provide accessibility features that allow disabled users to customize their references. This application preserves those accessibility user preference settings. For example, if Sticky Keys option is selected by a mobility-impaired user, this option | Product meets accessibility criteria.  |

| Criteria   | Supports  | Remarks and Explanations   |
|--|---|--|
|  | will continue to be activated when used with this application.  |  |
| (c) On-screen & programmatic indication of focus                                 | <p>Supports</p> <p>When using the application with a keyboard, users can tell where they are on the screen and the information is available to assistive technologies to communicate screen location to visually impaired users.</p>  | Product meets accessibility criteria. Items are highlighted as they are selected and on-screen focus indication is provided. |
| (d) Information about a user interface element must be textually available       | <p>Supports</p> <p>This software application allows a screen reader to describe the user interface environment and controls to a blind user. For example, if you tab through a form and find a radio button, the user would be able to determine it is a radio button and the current selection status of the button.</p> | Product meets accessibility criteria.  |
| (e) Use images in a standard fashion   | <p>Supports</p> <p>The meaning assigned to images used in the application is consistent and unique, minimizing confusion of the context of use for those images.</p>  | Product meets accessibility criteria.  |
| (f) Textual information shall be provided through operating system functions     | <p>Supports</p> <p>Text information is accessible so assistive technologies can communicate content, attributes and caret location to blind users.</p>  | Product meets accessibility criteria.  |
| (g) Applications shall not override user selected contrast and color selections. | <p>Supports</p> <p>System settings are inherited by the application so that customized preferences will not need to be continually reset. For example, color contrast settings enhanced for a low vision user would be preserved by the application.</p>  | Product meets accessibility criteria.  |
| (h) Ensure information is displayable without animation                          | <p>Supports</p> <p>Application provides an option to display animation in a nonanimated mode, allowing users with vision impairments equal access to the same information and reliable interaction with assistive technology.</p>   | Product meets accessibility criteria. Information is not represented by animation.   |
| (i) Color not the only means of conveying information.                           | <p>Supports</p> <p>Color is used only as an enhancement, and an alternate means to convey information or</p>  | Product meets accessibility criteria. Color coding is not used as the only means to display information.                     |

| Criteria                                     | Supports   | Remarks and Explanations  |
|--|--|---|
|  | indicate an action is available to users with visual impairments.  |   |
| (j) Color settings control                   | Supports<br>When color customization is supported, a variety of color selections and a range of contrast improves accessibility for users with vision impairments. | Product meets accessibility criteria.   |
| (k) Do not use flashing or blinking elements | Supports<br>The use of blinking text, objects or elements has been avoided, reducing risk of seizures for users with photosensitive epilepsy.                      | Product meets accessibility criteria. No flashing or blinking objects are used. |
| (l) Ensure usability of electronic forms     | Not Applicable   | No electronic forms are used.   |

### § 508-1194.22 Web Sites and Applications - Detail

| Criteria   | Supports       | Remarks and Explanations |
|--|----------------|--------------------------|
| (a) Text equivalent of non-text items                  | Not Applicable | Not applicable.          |
| (b) Provide synchronized alternatives for media        | Not Applicable | Not applicable.          |
| (c) Information should not be conveyed only with color | Not Applicable | Not applicable.          |
| (d) Documents must be readable without style sheets    | Not Applicable | Not applicable.          |
| (e) Redundant text link for server-side image maps     | Not Applicable | Not applicable.          |
| (f) Client side images maps should be used             | Not Applicable | Not applicable.          |
| (g) Identify table headers                             | Not Applicable | Not applicable.          |
| (h) Associate table and header cells                   | Not Applicable | Not applicable.          |
| (i) Properly title frames                              | Not Applicable | Not applicable.          |
| (j) Avoid causing pages to flicker                     | Not Applicable | Not applicable.          |
| (k) As a last resort provide a text-only page          | Not Applicable | Not applicable.          |
| (l) Ensure scripts are accessible                      | Not Applicable | Not applicable.          |
| (m) Provide a link to an accessible plug-in            | Not Applicable | Not applicable.          |
| (n) Ensure electronic forms are accessible             | Not Applicable | Not applicable.          |
| (o) Provide a method for skipping repetitive links     | Not Applicable | Not applicable.          |

| Criteria                                     | Supports       | Remarks and Explanations |
|--|----------------|--------------------------|
| (p) Ensure user control over timed responses | Not Applicable | Not applicable.          |

### § 508-1194.23 Telecommunications products - Detail

| Criteria   | Supports  | Remarks and Explanations  |
|--|---|---|
| (a) Product must support the use of TTY devices  | Not Applicable  | Not applicable.   |
| (b) Product must support all standard TTY signal protocols   | Not Applicable  | Not applicable.   |
| (c) IVR systems must provide TTY support.  | Not Applicable  | Not applicable.   |
| (d) Timed responses should alert the user and must provide sufficient time for a response  | Not Applicable  | Not applicable.   |
| (e) Caller ID and other similar functions shall be provided in an accessible format  | Not Applicable  | Not applicable.   |
| (f) Ensure adjustable gain control   | Not Applicable  | Not applicable.   |
| (g) Reset volume after use   | Not Applicable  | Not applicable.   |
| (h) Ensure magnetic wireless coupling is supported   | Not Applicable  | Not applicable.   |
| (i) Ensure compatability with assistive listening devices  | Not Applicable  | Not applicable.   |
| (j) Pass through cross-manufacturer, non-proprietary, industry-standard codes, translation protocols, formats or other information | Not Applicable  | Not applicable.   |
| (k) Physical control requirements  | <p>Supports</p> <p>Touch can be used to identify and distinguish controls and keys without activating them.</p> <p>Controls and latches can be reached and operated using one hand and require minimal dexterity for ease of use by mobility impaired users.</p> <p>An option to change keyboard repeat rate is provided so users can adjust the rate to accommodate their needs.</p> <p>The status of locking and toggle controls or keys can be seen as well as distinguished by touch and/or sound when activated.</p> | <p>Product meets accessibility criteria. All controls and keys are discernible without being activated. Force requirement for controls and latches is met. Controls and keys are also easily discernible and can be operated with one hand.</p> |

### § 508-1194.24 - Video and Multimedia Products. - Detail

| Criteria  | Supports       | Remarks and Explanations |
|---|----------------|--------------------------|
| (a) Caption decoder circuitry                     | Not Applicable | Not applicable.          |
| (b) Secondary audio playback circuitry            | Not Applicable | Not applicable.          |
| (c) Content shall be open or closed captioned     | Not Applicable | Not applicable.          |
| (d) Content shall be audio described              | Not Applicable | Not applicable.          |
| (e) Captioning or audio description selectability | Not Applicable | Not applicable.          |

### § 508-1194.25 - Self Contained, Closed Products - Detail

| Criteria   | Supports  | Remarks and Explanations  |
|--|---|---|
| (a) Do not require assistive technology for product use                          | Not Applicable  | Not applicable.   |
| (b) Ensure timed responses are not required                                      | Not Applicable  | Not applicable.   |
| (c) Ensure touch screens and controls are accessible                             | Not Applicable  | Not applicable.   |
| (d) Avoid biometric forms of identification as sole means of confirming identity | Not Applicable  | Not applicable.   |
| (e) Provide audio in a standard fashion  | Not Applicable  | Not applicable.   |
| (f) Provide volume control and automatic reset                                   | Not Applicable  | Not applicable.   |
| (g) Avoid using color as the sole means of indicating information                | Supports<br>Color is used only as an enhancement, and an alternate means to convey information or indicate an action is available to users with visual impairments. | Product meets accessibility criteria. Color is used only as an enhancement. An alternate means to convey information or indicate an action is available to users. |
| (h) Provide a variety of color contrast settings                                 | Supports  | Product meets accessibility criteria.   |
| (i) Avoid causing screen flicker   | Not Applicable  | Not applicable.   |
| (j) Ensure product controls can be physically accessed                           | Not Applicable  | Not applicable.   |

### § 508-1194.26 Desktop and portable computers. - Detail

| Criteria   | Supports                                | Remarks and Explanations  |
|--|---|---|
| (a) All mechanically operated controls and keys shall comply with §1194.23 (k) (1) through(4). | Supports<br>See 1194.23(k) 1 through 4. | Product meets accessibility criteria. All controls and keys are discernible without being activated. Force requirement for controls and latches is met. Controls and keys are |

| Criteria  | Supports  | Remarks and Explanations   |
|---|---|--|
|   |   | also easily discernible and can be operated with one hand.                                       |
| (b) If a product utilizes touchscreens or touch-operated controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).   | Supports<br>See 1194.23(k) 1 through 4.   | Product meets accessibility criteria.  |
| (c) When biometric forms of user identification or control are used, an alternative form of identification or activation, which does not require the user to possess particular biological characteristics, shall also be provided. | Supports<br>An alternative means to biometric identification is available.  | Product meets accessibility criteria.  |
| (d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry standards.   | Supports<br>The product design uses industry standard ports so that alternative equipment and assistive technologies can be accommodated. | Product meets accessibility criteria.<br>All slots, ports, and connectors are industry standard. |

### § 508-1194.31 Functional performance criteria - Detail

| Criteria  | Supports  | Remarks and Explanations              |
|---|---|---------------------------------------|
| (a) Ensure access for blind and visually impaired | Supports<br>See the following for supporting features:<br>- 1194.21 a, b, c, d, e, f, h, i, l<br>- 1194.22 all<br>- 1194.23 k1, k4<br>- 1194.24 d<br>- 1194.25 a, b, c, e, f, g<br>- 1194.26 b, d   | Product meets accessibility criteria. |
| (b) Ensure access for low vision users            | Supports<br>See the following for supporting features:<br>- 1194.21 c, g, i, j, l<br>- 1194.22 n<br>- 1194.25 h<br>- 1194.26 d  | Product meets accessibility criteria. |
| (c) Ensure access for deaf individuals            | Supports<br>Hardware is designed to alert the software application of system sounds when needed and the software then provides a visual cue so that deaf or hard of hearing users can complete the task. See the following for other supporting features:<br>- 1194.22 b, m<br>- 1194.23 k4 | Product meets accessibility criteria. |

| Criteria   | Supports  | Remarks and Explanations   |
|--|---|--|
|  | - 1194.24 c<br>- 1194.25 e, f   |  |
| (d) Ensure access for users with assistive hearing devices     | Supports<br>Hardware provides a physical volume control and/or an interface so that volume can be controlled by software.<br>See the following for other supporting features:<br>- 1194.23 k4<br>- 1194.25 e, f | Product meets accessibility criteria.  |
| (e) Ensure user speech is not required for access              | Supports  | Product meets accessibility criteria.<br>User speech is not required for operation.        |
| (f) Ensure users with mobility impairments can use application | Supports<br>See the following for supporting features:<br>- 1194.21 a, b<br>- 1194.22 l, p<br>- 1194.23 k1, k2, k3<br>- 1194.25 b, j1, j2, j3, j4<br>- 1194.26 d  | Product meets accessibility criteria.<br>Fine motor control is not required for operation. |

#### § 508-1194.41 Information, documentation, and support - Detail

| Criteria  | Supports   | Remarks and Explanations  |
|---|--|---|
| (a) Product documentation must be provided in alternate formats | Supports<br>Product support documentation is provided in at least one accessible format.   | Product meets accessibility criteria.<br>User documentation is provided in an accessible format upon request.                           |
| (b) Describe accessibility features properly                    | Supports<br>Documentation includes a description of accessibility and compatibility features that make it easier for people with disabilities to use the product.<br>Those descriptions are available in alternate formats upon request. | Product meets accessibility criteria.<br>Accessible features are available in user documentation and in alternate methods upon request. |
| (c) Support the communication mode of users with disabilities   | Supports<br>In addition to standard IBM help desk and support Web sites, IBM has established a TTY telephone service for use by deaf or hard of hearing customers to access sales and support services.                                  | Product meets accessibility criteria.   |

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