

General Dynamics Itronix Corporation supports Section 508 and the efforts of the federal government in making mainstream technology accessible to people with disabilities.

Family DuoTouch

Products DuoTouch II

Model IX325

Description Rugged Computer

Notes

Status Published to the website

Error Code NA

Product Category Portables and Notebooks

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Section 1194.21 Software Applications and Operating Systems – Detail Voluntary Product Accessibility Template

<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.	This product family supports: Navigation of application menus from a keyboard; Microsoft accessibility features including StickyKeys; Filter Keys, and ToggleKeys.	
(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	Applications running on this product family do not interfere with Microsoft Windows operating systems accessibility	

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.

features.

(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.

This product family supports on-screen focus tracking. The focus is programmatically exposed so assistive technology can track focus and focus changes.

(d) Sufficient information about a user interface element including the identity, operation and state of the 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.

Information about user interface elements is made available to Assistive Technology. Text equivalents for program element images are available for applications that adhere to standard Windows Application Programming Interfaces (APIs).

(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 (bitmaps) maintain their meanings throughout an applications performance.

(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 descriptions (text content, text input caret location, and text attributes) for displaying text are provided for applications that adhere to standard Windows Application Programming Interfaces (APIs).

(g) Applications shall not override user selected contrast and color selections and other individual display attributes.

User selected color and contrast schemes and other individual display attributes set through Microsoft Windows are maintained while running applications.

(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 the only means of conveying functional information; user has option of choosing another presentation mode.

(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.

This product family does not use color coding to convey information, actions, prompting

responses or distinguishing visual elements.

(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.

This product family supports a variety of color selections through Microsoft Windows which provides a range of contrast levels for applications that allow a user to adjust color and contrast settings.

(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.

This product family supports a software blink rate of less than 2Hz or greater than 55Hz. The cursor blink rate can be adjusted to less than 2Hz.

(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.

Form information, field elements, and functionality for completion and submission of electronic forms are accessible with Assistive Technology. See Reference 1194.31a through 1194.31g for Assistive Technology supported

**Section 1194.22 Web-based Internet information and applications – Detail
Voluntary Product Accessibility Template**

<i>Criteria</i>	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).	N/A - No Web based Intranet or Internet information or applications	
(b) Equivalent alternatives for any multimedia presentation shall be synchronized with the presentation.	N/A - No Web based Intranet or Internet information or applications	
(c) Web pages shall be designed so that all information conveyed with color is also available without color, for example from context or markup.	N/A - No Web based Intranet or Internet information or applications	
(d) Documents shall be organized so they are readable without requiring an associated style sheet.	N/A - No Web based Intranet or Internet information or applications	
(e) Redundant text links shall be provided for each active region of a server-side image map.	N/A - No Web based Intranet or Internet information or applications	
(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.	N/A - No Web based Intranet or Internet information or applications	
(g) Row and column headers shall be identified for data tables.	N/A - No Web based Intranet or	

- | | |
|--|---|
| | Internet information or applications |
| (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. | N/A - No Web based Intranet or Internet information or applications |
| (i) Frames shall be titled with text that facilitates frame identification and navigation | N/A - No Web based Intranet or Internet information or applications |
| (j) Pages shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz. | N/A - No Web based Intranet or Internet information or applications |
| (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. | N/A - No Web based Intranet or Internet information or applications |
| (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. | N/A - No Web based Intranet or Internet information or applications |
| (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). | N/A - No Web based Intranet or Internet information or applications |
| (n) When electronic forms are designed to be completed on-line, the form shall allow people using Assistive Technology to access the information, | N/A - No Web based Intranet or Internet |

field elements, and functionality information or required for completion and submission applications of the form, including all directions and cues.

(o) A method shall be provided that permits users to skip repetitive navigation links. N/A - No Web based Intranet or Internet information or applications

(p) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required. N/A - No Web based Intranet or Internet information or applications

Section 1194.23 Telecommunications Products – Detail Voluntary Product Accessibility Template

<i>Criteria</i>	Supporting Features	Remarks and explanations
(a) Telecommunications products or systems which provide a function allowing voice communication and which do not themselves provide a TTY functionality shall provide a standard non-acoustic connection point for TTYs. Microphones shall be capable of being turned on and off to allow the user to intermix speech with TTY use.	N/A - Not a Telecommunications Product or System.	
(b) Telecommunications products which include voice communication functionality shall support all commonly used cross-manufacturer non-proprietary standard TTY signal protocols.	N/A - Not a Telecommunications Product or System.	
(c) Voice mail, auto-attendant, and interactive voice response	N/A - Not a Telecommunications Product or System.	

telecommunications systems shall be usable by TTY users with their TTYs.

(d) Voice mail, messaging, auto-attendant, and interactive voice response telecommunications systems that require a response from a user within a time interval, shall give an alert when the time interval is about to run out, and shall provide sufficient time for the user to indicate more time is required.

N/A - Not a Telecommunications Product or System.

(e) Where provided, caller identification and similar telecommunications functions shall also be available for users of TTYs, and for users who cannot see displays.

N/A - Not a Telecommunications Product or System.

(f) For transmitted voice signals, telecommunications products shall provide a gain adjustable up to a minimum of 20 dB. For incremental volume control, at least one intermediate step of 12 dB of gain shall be provided.

N/A - Not a Telecommunications Product or System.

(g) If the telecommunications product allows a user to adjust the receive volume, a function shall be provided to automatically reset the volume to the default level after every use.

N/A - Not a Telecommunications Product or System.

(h) Where a telecommunications product delivers output by an audio transducer which is normally held up to the ear, a means for effective magnetic wireless coupling to hearing

N/A - Not a Telecommunications Product or System.

technologies shall be provided.

(i) Interference to hearing technologies (including hearing aids, cochlear implants, and assistive listening devices) shall be reduced to the lowest possible level that allows a user of hearing technologies to utilize the telecommunications product.

N/A - Not a Telecommunications Product or System.

(j) Products that transmit or conduct information or communication, shall pass through cross-manufacturer, non-proprietary, industry-standard codes, translation protocols, formats or other information necessary to provide the information or communication in a usable format. Technologies which use encoding, signal compression, format transformation, or similar techniques shall not remove information needed for access or shall restore it upon delivery.

N/A - Not a Telecommunications Product or System.

(k)(1) Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall be tactilely discernible without activating the controls or keys.

Controls, keys, and latches are tactilely discernible without activating the controls or keys. Controls are located on the front of the system for easy access.

(k)(2) Products which have mechanically operated controls or keys shall comply with the following: Controls and Keys shall be operable with one hand and shall not require tight grasping,

Controls, keys, and latches require less than 5 pounds of force to actuate; are operable with one hand; and require no bending or fine motor controls. Display latch release,

pinching, twisting of the wrist. The force required to activate controls and keys shall be 5 lbs. (22.2N) maximum.

(k)(3) Products which have mechanically operated controls or keys shall comply with the following: If key repeat is supported, the delay before repeat shall be adjustable to at least 2 seconds. Key repeat rate shall be adjustable to 2 seconds per character.

(k)(4) Products which have mechanically operated controls or keys shall comply with the following: The status of all locking or toggle controls or keys shall be visually discernible, and discernible either through touch or sound.

battery removal, and the power-off require only one hand with no simultaneous action

Keys repeat rate is adjustable to 2 seconds for applications that require user (text) input. Delay before repeat is adjustable to 2 seconds.

Applications that use toggle keys provide an audio indication through Microsoft SoundSentry when the toggle keys have been activated or deactivated. Also, toggle LED and audio indication for power on

Section 1194.24 Video and Multi-media Products – Detail Voluntary Product Accessibility Template

<i>Criteria</i>	Supporting Features	Remarks and explanations
a) All analog television displays 13 inches and larger, and computer equipment that includes analog television receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals. As soon as practicable, but not later than July 1, 2002, widescreen digital television (DTV) displays measuring at least 7.8 inches vertically, DTV sets with conventional displays	N/A - Does not have analog television receiver or display circuitry.	

measuring at least 13 inches vertically, and stand-alone DTV tuners, whether or not they are marketed with display screens, and computer equipment that includes DTV receiver or display circuitry, shall be equipped with caption decoder circuitry which appropriately receives, decodes, and displays closed captions from broadcast, cable, videotape, and DVD signals.

(b) Television tuners, including tuner cards for use in computers, shall be equipped with secondary audio program playback circuitry.

N/A - Does not have tuner capabilities.

(c) All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain speech or other audio information necessary for the comprehension of the content, shall be open or closed captioned.

Contains no user required multimedia presentations. However, product supports open and closed captioned material.

(d) All training and informational video and multimedia productions which support the agency's mission, regardless of format, that contain visual information necessary for the comprehension of the content, shall be audio described.

Contains no user required multimedia presentations. However, product allows audio support of video presentations.

(e) Display or presentation of alternate text presentation or audio descriptions shall be user-selectable unless permanent.

Contains no user required multimedia presentations. However, product allows user selection unless permanent.

Section 1194.25 Self-Contained, Closed Products – Detail Voluntary Product Accessibility Template

<i>Criteria</i>	Supporting Features	Remarks and explanations
(a) Self contained products shall	N/A - Not a self contained,	

- be usable by people with disabilities without requiring an end-user to attach Assistive Technology to the product. Personal headsets for private listening are not Assistive Technology.
- closed product
- (b) When a timed response is required, the user shall be alerted and given sufficient time to indicate more time is required.
- N/A - Not a self contained, closed product
- (c) Where a product utilizes touchscreens or contact-sensitive controls, an input method shall be provided that complies with §1194.23 (k) (1) through (4).
- N/A - Not a self contained, closed product
- (d) 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.
- N/A - Not a self contained, closed product
- (e) When products provide auditory output, the audio signal shall be provided at a standard signal level through an industry standard connector that will allow for private listening. The product must provide the ability to interrupt, pause, and restart the audio at anytime.
- N/A - Not a self contained, closed product
- (f) When products deliver voice output in a public area, incremental volume control shall be provided with output amplification up to a level of at least 65 dB. Where the ambient noise level of the environment is above 45 dB, a volume gain of at least 20 dB above the ambient level shall be user selectable. A function shall be provided to automatically reset the volume to
- N/A - Not a self contained, closed product

the default level after every use.

(g) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. N/A - Not a self contained, closed product

(h) When a product permits a user to adjust color and contrast settings, a range of color selections capable of producing a variety of contrast levels shall be provided. N/A - Not a self contained, closed product

(i) Products shall be designed to avoid causing the screen to flicker with a frequency greater than 2 Hz and lower than 55 Hz. N/A - Not a self contained, closed product

(j) (1) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: The position of any operable control shall be determined with respect to a vertical plane, which is 48 inches in length, centered on the operable control, and at the maximum protrusion of the product within the 48 inch length on products which are freestanding, non-portable, and intended to be used in one location and which have operable controls. N/A - Not a self contained, closed product

(j)(2) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Where any operable control is 10 inches or less behind the reference plane, the height shall be 54 inches maximum and 15 inches minimum above the floor. N/A - Not a self contained, closed product

(j)(3) Products which are N/A - Not a self

freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Where any operable control is more than 10 inches and not more than 24 inches behind the reference plane, the height shall be 46 inches maximum and 15 inches minimum above the floor.

(j)(4) Products which are freestanding, non-portable, and intended to be used in one location and which have operable controls shall comply with the following: Operable controls shall not be more than 24 inches behind the reference plane.

N/A - Not a self contained, closed product

Section 1194.26 Desktop and Portable Computers – Detail Voluntary Product Accessibility Template

<i>Criteria</i>	Supporting Features	Remarks and explanations
(a) All mechanically operated controls and keys shall comply with §1194.23 (k) (1) through (4).	Refer to 1194.23 (k.1, k.2, k.3, k.4)	
(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).	Refer to 1194.23 (k.1, k.2, k.3, k.4)	
(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.	Alternative forms of identification or activation are available	
(d) Where provided, at least one of each type of expansion slots, ports and connectors shall comply with publicly available industry	All expansion slots, ports, and connectors (including headphone jack) are industry standard.	

standards

**Section 1194.31 Functional Performance Criteria – Detail
Voluntary Product Accessibility Template**

<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.	The product supports the following Assistive Technologies to provide a mode of operation and information retrieval for people who are blind or visually impaired: IBM: Home Page Reader 3.0, Henter-Joyce: Jaws for Windows XP, IBM: ViaVoice Professional Edition, Opera Software: Opera 5.0. Applications that use toggle keys provide an audio indication through Microsoft SoundSentry when the toggle keys are activated or deactivated. The system has a power button, LED and audio indication for power on.	
(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.	This product supports the following Assistive Technologies to provide a mode of operation and information retrieval for people with visual acuity less than 20/70: Ai Squared: ZoomText XTRA 7.11 Level 2.	
(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	Does not require user hearing to operate or for information retrieval.	

are deaf or hard of hearing shall be provided

(d) Where audio information is 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 supports the following to provide audio enhancement and support for assistive hearing:
Henter-Joyce: Jaws for Windows XP, IBM Home Page Reader 3.0, Opera Software: Opera. Volume level is selectable and headphone jack is accessible.

(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.

Does not require user speech for operation or information retrieval.

(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.

tronix supports the following assistive technology for this purpose: Madentec Tracker 2000, WISP 2000, ScreenDoors 2000, IBM Via Voice Professional Edition. Controls, keys, and latches are tactilely discernible without activating the controls or keys. Controls are located on the system for easy access. Controls, keys, and latches require less than 5 pounds of force to actuate; are operable with one hand; and require no bending or fine motor controls.

**Section 1194.41 Information, Documentation and Support – Detail
Voluntary Product Accessibility Template**

<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	Support-Documentation describing normal operation is available in softcopy and at www.gd-itronix.com to be used by screen readers.	
(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.	N/A	
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Support - TTY: 1-800-638-9270 7a.m. - 4p.m. MST Monday - Friday, excluding holidays. Additional support services are provided at www.gd-itronix.com .	