

SECTION Section 508 Accessibility
508 IntelliKeys® USB
REPORT from IntelliTools, Inc.

April 4, 2003

For product information: [IntelliKeys USB](#)

Introduction

Section 508 of the Rehabilitation Act Amendments of 1998 requires that federal agencies ensure that disabled employees and members of the public have access to information, computers and networks comparable to access enjoyed by people without disabilities. On December 21, 2000, the Architectural and Transportation Barriers Compliance Board (the Access Board) issued final accessibility standards for “electronic and information technology” (EIT) covered by Section 508. These standards set forth a definition of EIT and the technical and functional performance criteria necessary for such technology to be considered “accessible.”

IntelliTools has been developing products and technologies accessible to people with disabilities. The following information outlines the accessibility features of *IntelliKeys USB* in the context of the Section 508 standards. The document contains subsets of the EIT Accessibility Standards as published in 36 CFR Part 1194 and provides an analysis of *IntelliKeys USB* as compared to these standards.

Product Overview

IntelliKeys® USB is a programmable alternative keyboard that plugs into the keyboard port of any Macintosh or Windows computer. It enables users with physical, visual, or cognitive disabilities to easily type, enter numbers, navigate on-screen displays, and execute menu commands. Users may choose among six standard printed overlays that accompany the product, featuring large, well-spaced keys in high-contrast colors to make it easy to locate letters and numbers.

For more information, please visit our web site at: www.intellitools.com

Accessibility Summary

All major features of *IntelliKeys USB* control panel are accessible via the keyboard.

Detailed Accessibility Features

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.	Supported.	The IntelliKeys USB control panel is fully keyboard-accessible.
(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.	Supported.	
(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.	Supported.	Moving the system caret in the control panel indicates focus.
(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.	Supported.	Speech output is available for most text.
(e) When bitmap images are used to	Not Applicable.	Bitmap images are

identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance.		not used in the product.
(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.	Supported.	IntelliKeys USB uses standard operating system functions for displaying text.
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supported	Some features may not display in high contrast when the system is in High Contrast mode.
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	Not Applicable.	There are no animations that are part of the user interface.
(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.	Supported.	Where color coding is used in the control panel, text is also provided.
(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.	Supported.	
(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.	Supported.	
(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.	Not Applicable.	IntelliKeys USB does not use forms.

Section 1194.22 Web-based Internet information and applications - Detail Voluntary Product Accessibility Template
Not Applicable. IntelliKeys USB does not include web-based features.

Section 1194.23 Telecommunications Products - Detail Voluntary Product Accessibility Template
Not Applicable. IntelliKeys USB is not a telecommunications Product.

Section 1194.24 Video and Multi-media Products - Detail Voluntary Product Accessibility Template
Not Applicable. IntelliKeys USB is not a video product.

Section 1194.25 Self-Contained, Closed Products - Detail Voluntary Product Accessibility Template
Not Applicable. IntelliKeys USB is not a self-contained, closed product.

Section 1194.26 Desktop and Portable Computers - Detail Voluntary Product Accessibility Template
Not Applicable. IntelliKeys USB is not a desktop or portable computer product.

Section 1194.31 Functional Performance Criteria - Detail Voluntary Product Accessibility Template		
Criteria	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	Supported with Equivalent Facilitation.	IntelliKeys USB is a keyboard device. Non-sighted users can create and use

by people who are blind or visually impaired shall be provided.		tactile overlays.
(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.	Supported.	IntelliKeys USB is a keyboard device. Low-vision users can create and use high-contrast overlays with large fonts.
(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.
(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.	Not Applicable.	User hearing is not required.
(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.	IntelliKeys USB does not require user speech.
(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.	Supported.	IntelliKeys USB provides accessibility features that target those with fine motor control challenges. Also, IntelliKeys USB functions as a 2-switch interface.