



Connecticut Comprehensive Assessment Program for Online Assessments

This brochure is for implementing online assessments for the Connecticut Comprehensive Assessment Program. Coordinators should consult the *Technical Specifications Manual for Online Testing* and the *System Requirements for Online Testing* for more detailed information.

SECURE BROWSERS

A secure browser must be downloaded and installed on each computer and device used for student testing. For explicit instructions on downloading and installing the secure browsers, refer to the *Secure Browser Installation Manual*.

Supported Operating Systems	Supported Secure Browser
Windows Vista, 7, 8.0 (Professional), 8.1, 10 (Educational and Professional), 11 Server 2008, 2012 (thin client)	9.0
Linux Fedora 23–25 openSUSE 13.1, 13.2 Red Hat Enterprise 6.5 Ubuntu 12.04, 14.04 (LTS), 16.04 (LTS)	9.0
Mac OS X (Intel) 10.6–10.12	9.0
iOS (iPads) 7.0–10.x	AIRSecureTest Mobile Secure Browser
Android 4.4–6.0	
Chrome OS 51+	AIRSecureTest kiosk application

All supported computers, laptops, tables, and approved testing devices must meet the following requirements:

Screen Dimensions

Screen dimensions must be 10" or larger (iPads with a 9.7" display are included).

Screen Resolution

All devices must meet the minimum resolution 1024 x 768. Larger resolutions can be applied as appropriate for the monitor or screen being used.

Keyboards

The use of external keyboards is highly recommended for tablets that will be used for testing. Students may use mechanical, manual, and Bluetooth-based keyboards.

Headphones

Wired headphones with a 3.5 mm connector or USB headphones (wired) are recommended over Bluetooth, as they provide better clarity and accuracy. For a full list of approved models, see the *System Requirements for Online Testing*.

Contact the Connecticut Comprehensive Assessment Program Help Desk for additional guidance.

Email: cthelpdesk@air.org

Phone: 1.844.202.7583



Connecticut Comprehensive Assessment Program for Online Assessments

BASIC HARDWARE REQUIREMENTS

Desktops		
Supported Operating Systems	Minimum Requirements	Recommended Specifications
Windows Vista, 7, 8.0 (Professional), 8.1, 10 (Educational and Professional), 11 Server 2008, 2012 (thin client)	Pentium 4 or newer processor that supports SSE2 512 MB of RAM 200 MB hard drive space	Pentium 4 or newer processor that supports SSE2 2GB+ RAM 80 GB+ hard drive
Linux Fedora 23–25 openSUSE 13.1, 13.2 Red Hat Enterprise 6.5 Ubuntu 12.04, 14.04 (LTS), 16.04 (LTS)	Intel x86 processor 512 MB of RAM 200 MB hard drive space Required libraries/packages: <ul style="list-style-type: none"> • GTK+ 2.18 or higher • GLib 2.22 or higher • Pango 1.14 or higher • X.Org 1.0 or higher (1.7+ recommended) • libstdc++ 4.3 or higher • libreadline6:i386 (required for Ubuntu only) GNOME 2.16 or higher	Pentium 4 or newer processor 2 GB RAM 80 GB hard drive Recommended libraries/packages: In addition to the required libraries listed under minimum requirements, the following should be installed: <ul style="list-style-type: none"> • NetworkManager 0.7 or higher • DBus 1.0 or higher • HAL 0.5.8 or higher
Mac OS X (Intel) 10.6–10.12	Intel x86 processor 512 MB of RAM 200 MB hard drive space	Pentium 4 or newer processor 2+ GB RAM 80+ GB hard drive
Tablets and Chromebooks		
Supported Operating Systems	Supported Tablets	Related Requirements
iOS (iPads) 7.0–10.x	iPad 2 iPad Air iPad 3 iPad Air 2 Fourth-generation (Retina Display)	See the <i>Technical Specifications Manual for Online Testing</i> for information about configuring iOS for online testing.
Android 4.4–6.0	Google Nexus 10 Samsung Galaxy Motorola Xoom Tab 3 and 4 Samsung Galaxy LearnPad Quarto Note (2014 edition)	See the <i>Technical Specifications Manual for Online Testing</i> for information about configuring devices for online testing.
Windows 8.0 (Professional), 8.1, 10 (Educational and Professional), 11	AIR supports any tablet running these versions of Windows, but has done extensive testing only on Surface Pro, Surface Pro 3, Asus Transformer, and Dell Venue.	
Chrome OS 51+	Chromebook	See the <i>Secure Browser Installation Manual</i> for information about installing the secure browser in kiosk mode, a requirement for online testing.

Contact the Connecticut Comprehensive Assessment Program Help Desk for additional guidance.

Email: cthelpdesk@air.org

Phone: 1.844.202.7583