

CLPCCD Wireless Types of Access

CLPCCD wireless provides students ubiquitous access to online information technology resources to ensure that students at Chabot College and Las Positas College continue to have an equal opportunity to pursue and achieve their educational goals.

The goals of CLPCCD wireless initiative are to provide flexible connectivity for student access in open classrooms and congregation areas inside of buildings and augment the instructional environment at the Colleges over and above the wired network capabilities already in place in classrooms and computer labs.

Currently, two types of wireless connectivity are available for students. First is Open Access. This type of access is similar to wireless kiosks prevalent in airports, bookstores, and coffee shops and is deployed in areas where students congregate: cafeteria, library. It has the least number of restrictions, but also provides the least access. It is designed to only provide Internet access outside the CLPCCD network. Since access is open, students simply bring their wireless enabled laptops and connect without IT staff intervention.

The second type of wireless connectivity is for instructional use. It provides access to computers on the colleges' instructional network where all student computers are connected. Connection to the network requires intervention by IT staff to properly program the wireless-enabled computer. This type of access is currently used in labs and classrooms whereby students can only access the Internet and specific instructional information on servers located on the student instructional network.

The tables below summarize the types of wireless access:

OPEN ACCESS

Purpose	To provide limited wireless access to students on campus who have their own laptops and wireless cards and need access to the Internet.
Typical Users	Anyone
Location	Libraries Cafeterias Student congregation areas Classrooms
Functionality	Accesses are the same as if the client were connecting from home or other external Internet connection, e.g. CLPCCD websites, Class-web, etc. Assigned CLPCCD internal IP address. No access to CLPCCD Instructional or Administrative network resources. No network printing or server resources.

Wireless Configuration Requirements	Hidden SSID, no WEP key. No support for configuration/performance problems. Student name and Mac address is submitted when SSID is given out. Student logging during initial access.
Laptop Configuration Requirements	No requirements for patches or personal firewalls.
Supportability	Protected behind CLPCCD Firewall. As-is availability. No protection from other wireless users who may be transmitting viruses. No technical support.

INSTRUCTIONAL ACCESS

Purpose	To provide secure wireless access to CLPCCD Instructional network resources and the Internet, in support of instructor- directed curriculum and teaching activities.
Typical Users	Faculty and College-owned and supported laptops (Lab-on-a-Cart)
Location	Classrooms (with teacher supervision)
Functionality	Accesses are the same as if the client were connected on a hardwired network connection in a lab. Assigned CLPCCD internal IP address. No access to CLPCCD Administrative network resources. Access to available instructional resources.
Wireless Configuration Requirements	Hidden SSID, 128-bit WEP key. Laptop is custom configured.
Laptop Configuration Requirements	Must meet CLPCCD minimum patch requirements for access.
Supportability	Protected behind CLPCCD Firewall. General uptime. No protection from other wireless users who may be transmitting viruses (same as wired connections). Configuration issues supported by College CS resources.