Mimio MicroCloud
Cloud Content for any Classroom

Mimio MicroCloud allows educators to deliver a rich learning experience in any classroom. Dramatically simplify and manage the delivery of digital content and e-learning capabilities to schools, regardless of infrastructure challenges or internet connectivity limitations. The Mimio MicroCloud solution offers a range of powerful capabilities, making it easy for students, teachers, and administrators to curate, publish, manage, and consume content. All delivered in a framework that is powerful, flexible, and customizable.

MIMIO MICROCLOUD IS COMPRISED OF:

MIMIO MICROCLOUD APPLIANCE

MIMIO MICROCLOUD CONTROL

MIMIO MICROCLOUD FOUNDATION LMS

The Mimio MicroCloud Appliance is a complete, end-to-end solution that creates a safe network environment with a local content repository and e-learning tools. Designed for clusters of classrooms, or small schools, it can accommodate up to 200 students over a Local Area Network (LAN). The MicroCloud appliance provides a Wi-Fi access point to allow easy connection to locally cached resources. Teachers and students can connect classroom devices like Interactive Flat Panel Displays, Chromebooks, laptops etc. to the LAN for access to learning materials even when the Internet is not available.

The Mimio MimioCloud Control provides a centralized, cloud-based portal for the creation, selection, curation, and distribution of content and applications. Whenever a connection is available, an administrator can remotely access devices, apply custom configurations, run maintenance, check for updates and add new content. This allows an entire region to change/edit the content any time, anywhere, and know that it will sync whenever the MicroCloud appliance next connects.

Our solution comes with Foundation LMS, a basic learning management system that provides student and teacher access to resources to enable the e-learning experience. The LMS provides teachers a way to organize content, give out assignments, and track results. For students, the LMS is also key, as it provides easy access to all content and assignments, creating a complete digital learning experience.
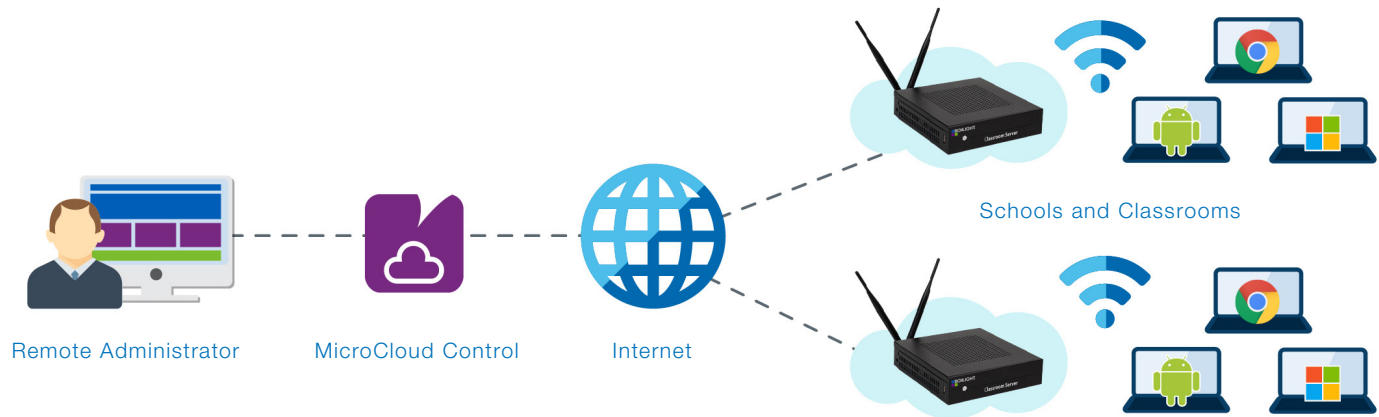
To learn more visit boxlight.com/mimio-microcloud

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END-TO-END SOLUTION

The Mimio MicroCloud solution integrates cloud-based content, curation, and management with a local point of presence. The result is the power of cloud-based e-learning, even in locations that may not always have internet access.

Remote Administrator   MicroCloud Control   Internet   Schools and Classrooms

The Mimio MicroCloud provides a local Wi-Fi access point so that students and teachers can connect directly with the device and access all applications, services, and content directly—even if upstream network services are not available.

Secure and Centralized Management

Teachers and students can access your digital content instantly from a local repository.

An administator can manage content and configuration of hundreds of schools from a central location.

Manage user accounts and set the appropriate permissions for students and teachers.

Enhances CONNECTED Schools

Improve your Internet speed by caching HTTP and HTTPS pages and prioritizing access by user profile.

Enables e-Learning in environments in NON-CONNECTED Schools

Millions of students can't reach the global knowledge and resources that e-Learning provides due to limitations in infrastructure and connectivity. The MimioCloud changes all of that by creating an easy-to-use and manage LAN network, that provides access even when the Internet is not available.

Easy. Powerful. Compatible.

Plug-and-play solution with no complex infrastructure required.

Works across all educational environments regardless of location.

To learn more visit boxlight.com/mimio-microcloud

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Mimio MicroCloud™ Solution

MimioCloud
Appliance

MIMIO MICROCLOUD APPLIANCE

Dimensions (cm)	18.5 x 4.4 x 19.7	
Storage	Up to 2 TB	
Embedded WiFi Access Point	Optional (bgn/ac) up to 50 concurrent users	
Intel processor	Celeron	Core i3/i5/i7
Supported users	50	100 to 200
Ethernet Wan Interface (1Gb Ethernet)	Yes	Yes
Ethernet LAN Interface (1Gb Ethernet)	Yes	Yes
Mobile interface (3G/4G)	Optional	Optional
Battery backup	Optional	Optional

E-LEARNING FEATURES

Digital Content Repository	Supports any type of content (static websites, Office files, PDF, video, audio, images)
Offline Wikipedia	Wiki type of content (encyclopedia, dictionaries, etc.)
Video Caching	Download video from URL for offline viewing
Preloaded Content	Project-specific or publicly-available content can be preloaded at manufacturing
Lesson planning	Teachers can aggregate related content packages in class-specific lessons
Learning Management System	Interactive LMS based on latest Moodle version

ADMIN FEATURES

Local Network & Domain	Local network for teachers and students with Active Directory compatible domain, DNS, DHCP
User Authentication	Support user authentication with local or remote single sign-on capability
Profile Management	Support profile management with preconfigured standards for administrators, teachers, students and guests
Customizable Interface	Organization or school configurable logos and color branding
Landing page	Configurable landing page per user profile (e.g. Student page; Teacher page)
3rd party applications	Easily adds additional applications (Docker or VM)

INTERNET FEATURES

Internet Gateway	Routes and controls Internet bound traffic by profile
Internet Caching	Optimize Internet usage by caching HTTP and HTTPS requests
Whitelisting	Optionally filter and limit Internet access by user profile
Firewall	Protects access to Mimio MicroCloud applications from outside users
Mimio MicroCloud Control	Centralized dashboard for content management and distribution to Mimio MicroCloud Appliances
Cloud VPN	Enables easy access to Mimio MicroCloud for remote management/troubleshooting
Online updates	System software updates from Critical Links managed update center

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