

CISCO MERAKI FOR K-12

# 100% Cloud Managed WiFi, Switching, Security, & Mobility Management

## Cisco Meraki cloud networking is built for the modern K-12 classroom

- 802.11n/ac wireless access points are optimized for high density classroom environments
- Ultra-reliable and easy to manage Layer 3 Ethernet access switches scale to schools of all sizes
- Education-centric security appliances provide CIPA-compliant content filtering and web caching
- Cloud-based mobility management enables secure, manageable BYOD and 1:1 deployments
- Intuitive cloud-based management is easy to use without specialized training or dedicated staff
- E-Rate eligible solution: [meraki.com/erate](http://meraki.com/erate)



**“Cisco Meraki is so easy to use, we can focus on innovation, integration, and training.”**

– Dirk DeLo, Chief Technology Officer, Avenues: The World School

### Proven in thousands of K-12 campuses

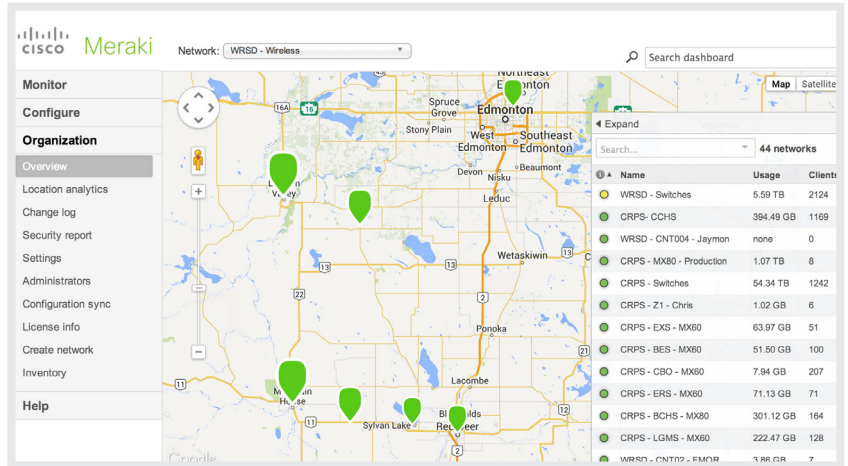
Trusted by the largest districts and independent schools alike



# Provide complete visibility and control without dedicated staff

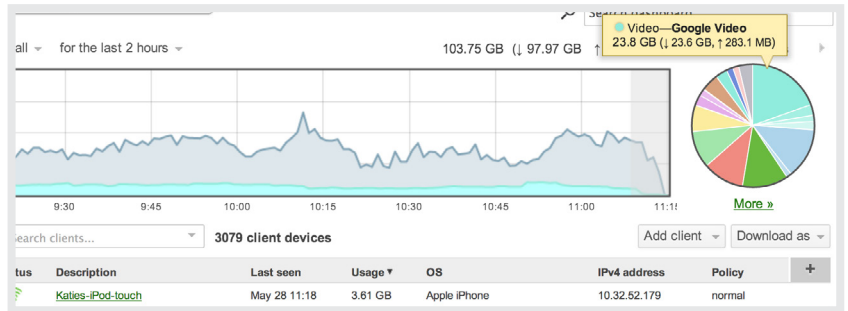
## Proactively manage 1:1 and BYOD devices

- Establish bandwidth limits to prioritize clients or SSIDs
- Create device-aware policies and firewall rules to ensure appropriate network access
- Allow selective access to Bonjour services – Apple TVs, printers, scanners, etc. – from desired devices
- Automate device onboarding, deploy apps, and enforce security restrictions



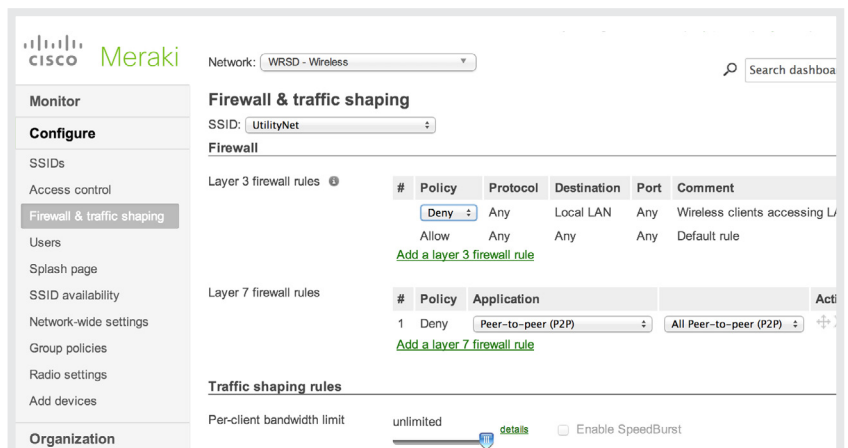
## Effectively allocate resources for testing

- Deploy 802.11ac Wave 2 APs with 3x faster speeds in areas of heavy use
- Control bandwidth with built-in QoS, Layer 7 traffic shaping rules, and single app mode
- Partition SSIDs and set policies for different user groups
- Provide high performance with 1GbE and 10GbE cloud-managed switching



## Confidently protect students & maintain security

- Ensure CIPA compliance with automatically updated, industry-leading content filtering
- Protect students with built-in Google/Bing/Yahoo! Internet SafeSearch
- Enable educational YouTube videos without recreational or inappropriate content
- Create identity-based access policies, applying varying levels of filtering for teachers and students



## CASE STUDY

# Milpitas USD supports Chromebooks, iPads, & more for 10,000 students



Students use mobile devices for collaborative learning.

- 650+ 802.11n and 11ac Cisco Meraki APs provide coverage for high density indoor and outdoor usage
- Security appliance at district edge filters 10+ TB of weekly traffic for increased performance and safer Internet access
- Centralized management of 100 Meraki switches provides control and visibility over distributed ports
- Mobility management allows admins to push custom profiles, settings, and content restrictions to device groups
- Layer 7 visibility allows admins to understand network usage and customize to meet client needs
- With WiFi everywhere and all device types allowed, students expand learning beyond textbooks and classrooms using cloud resources

“The flexibility of the Cisco Meraki network allows greater versatility in learning methods, as well as in physical space – every space becomes a learning space.”

–Chin Song, Director of Technology, Milpitas USD

## MOBILITY MANAGEMENT

# The easiest way to manage 1:1, BYOD, and cart deployments

Enrolling school or student-owned devices in a mobility management program is the first step towards reducing the burden on IT. Cisco Meraki Systems Manager provides a simple, yet powerful solution to create a reliable and secure network environment.

- 1 Provision new 1:1 or BYOD devices**
  - Enroll devices to Systems Manager at scale with Apple’s DEP without ever touching them
  - Establish initial configurations, choose device setup process, or require install of the SM profile
- 2 Prevent management removal**
  - Prevent users from removing the Systems Manager profile on supervised devices
  - Remotely keep supervised devices up-to-date with the latest settings and deployed content
- 3 Enforce settings & device restrictions**
  - Tag devices and create profiles based on department, class, or grade
  - Enable access to WiFi and set restrictions (e.g. deny access to device features or content ratings)
- 4 Ensure device security**
  - Enable web content filtering to prevent access to inappropriate content
  - Establish a geofence perimeter that auto-applies settings at school and alerts when devices leave
- 5 Deploy & keep applications up-to-date**
  - Purchase apps with VPP and use device tags for deployment (reclaim and reassign as needed)
  - Silently push new apps to supervised devices without entering Apple IDs or passwords
- 6 Teacher’s Assistant — supporting the digital classroom**
  - Collection of features ideal for education — exceptionally popular in K-12
  - Teacher management interface, Classroom controls, Automated class material delivery, and Shared used devices

# 100% Cloud Managed IT Product Family



## 802.11n/ac Wireless LAN

Supports 100+ users per AP for high density 1:1 classroom deployments and BYOD

## Gigabit Ethernet Switches

Centrally managed Layer 3 Ethernet switches designed for performance and reliability

## Security Appliances

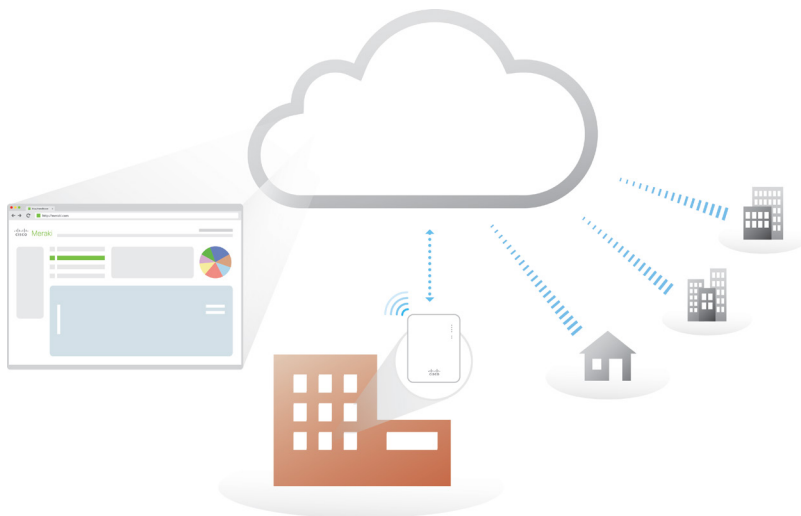
Feature rich security and networking, with CIPA compliant content filtering and SafeSearch

## Communications

Easy-to-deploy VoIP phones with a simple user interface and seamless business application integration

## Mobility Management

Centrally manage iOS devices, Androids, Macs, Chromebooks, and PCs from over the web



## Award Winning Cloud Architecture

- Network-wide visibility and control
- No on-site controller hardware
- Automatic monitoring and alerts
- Seamless over-the-web upgrades
- Scales to networks of all sizes

To try Cisco Meraki in your district, visit [meraki.cisco.com/eval](http://meraki.cisco.com/eval)



“There cannot be a networking product that will work better for us than Meraki. The power of Meraki is simplicity, but it gives us such detailed and rich information on our network.”

—Sean Rozell, Chief Technology Officer, San Rafael City Schools

“We would not have been able to perform testing for 600-700 students previously. Now it’s simple and I don’t have to worry about it; I always had to worry before.”

—Chris Smith, Supervisor of Technology, Conestoga Valley School District

“With Cisco Meraki, we can shape bandwidth to fit each district’s needs. We can block YouTube for students, troubleshoot issues quickly, and have much more visibility.”

—Clint Close, Network/Database Administrator, Region 9 ESC

“Cisco Meraki is the optimal solution for an environment with a high density of clients. And with the affordable pricing, we were able to cover the entire district.”

—John Wilds, Network Manager, Alvin ISD