

**CISCO MERAKI FOR HIGHER EDUCATION**

**100% Cloud Managed IT**



St Edmund Hall, a College of the University of Oxford, deploys Cisco Meraki to simplify IT for students, professors, fellows, and guests

From crowded lecture rooms and halls of residence to satellite campuses, the Cisco Meraki Cloud IT solution was built for the demands of higher education

- High performing 802.11ac wireless access points are optimised for dense lecture halls and campus-wide deployments
- The Meraki solution provides complete end-to-end visibility and control over users, devices, and applications on the network
- Application management built in: block unwanted BitTorrent usage, limit YouTube streaming, and prioritise educational apps
- Connect and manage campuses and research sites with cloud managed UTM security appliances and security cameras
- The intuitive end-to-end Meraki solution is self-provisioning, self-optimising, and self-healing, making it easy to deploy and manage without specialised training or dedicated staff
- Secure, manage, and troubleshoot mobile devices, Macs, and PCs from the cloud with Systems Manager mobility management
- The Meraki cloud architecture enables cost savings by eliminating hardware-based WiFi controllers and including all future firmware updates and feature releases, providing a future-proof solution

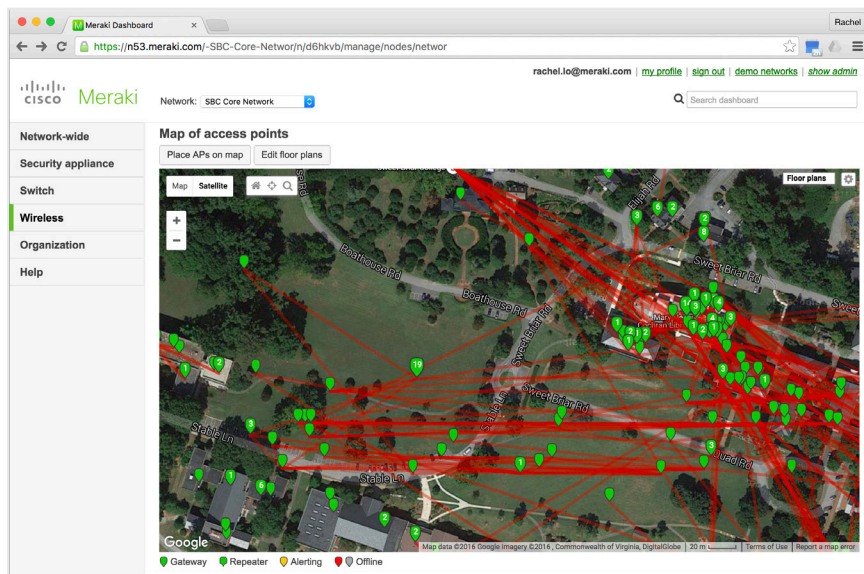


Free evaluations available at [meraki.cisco.com/eval](https://meraki.cisco.com/eval)

Hundreds of educational institutions rely on Cisco Meraki

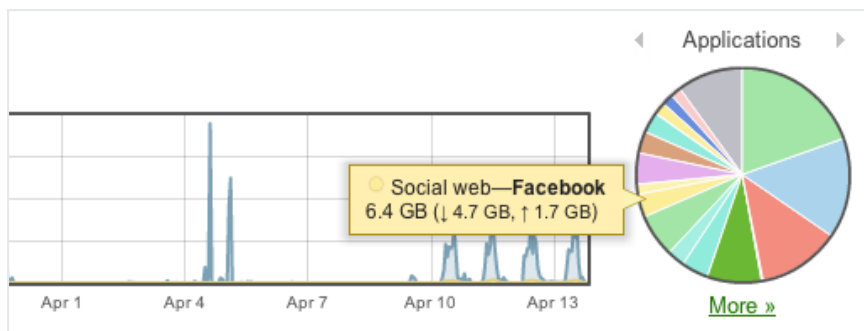


Cloud-based management is easy to use, and provides complete visibility and control without training or dedicated staff



### Centralised management without controllers

- Built for rapid campus-wide deployments
- Simple centralised management, no training or dedicated staff required
- Wireless 802.11ac Wave 2 APs serve 100+ users each in environments with high density mobile device usage
- Extra memory and CPU for campus workloads



### Identify unique users, iPads, and other devices

- Control bandwidth usage by application
- Locate clients with Google Maps integration
- View auto-generated reports

#	Policy	Application	Actions
1	Deny	Peer-to-peer (P2P)	All Peer-to-peer (P2P) [icon]
2	Deny	Gaming	All Gaming [icon]

[Add a layer 7 firewall rule](#)

### Mobility management

- Distinct policies for students, faculty, and staff
- Limit BitTorrent, Netflix, etc.
- Manage users and devices
- Centrally manage Macs, PCs, and mobile devices
- Deploy applications and updates with one click
- Enforce device security and restrictions
- Scales to thousands of devices

## CASE STUDY

# St Edmund Hall, a College of the University of Oxford

Fast and secure wireless access, seamlessly integrated with eduroam



Meraki provides reliable WiFi throughout the historic campus

- Cisco Meraki APs deployed throughout the campus provide seamless connectivity for students, professors, fellows, and guests
- Configurations completed in just 20 minutes, with remaining deployment time used for device installation
- Segmented SSIDs allow students to authenticate to the network via Active Directory or RADIUS with eduroam
- Meraki with Facebook Login provides guest access without intervention from the IT department
- Comprehensive reporting provides admins with Layer 7 visibility and the ability to make data-driven decisions
- The Meraki mobile app permits the IT office to troubleshoot remotely without needing a VPN connection or having to go onsite

“Being able to fire up the Meraki app quickly and look at the data allows me to troubleshoot remotely as opposed to VPNing in. The decision to go with Cisco Meraki was a no-brainer for us.”

—Andrew Breakspear, IT Officer, St. Edmund Hall

## The easiest way to support campus-wide smart devices

Faced with exponential growth in mobile device usage on campuses, implementing a comprehensive network is the first step towards reducing the burden on IT. Cisco Meraki provides a simple, yet powerful solution to create a reliable and secure network environment.

### Robust wireless environments

- Deploy Meraki 802.11ac wireless APs which are designed for high-density environments with heavy mobile device usage
- Easily segment network for dedicated student, staff, guest, or eduroam access

### College or University owned devices

- Track device status and automatically adjust security policies, deployed applications, WiFi associations, VPN settings, and more with Meraki EMM
- Integrate with identity and access management systems like Active Directory or Cisco's Identity Services Engine (ISE)

### Continuous security & performance

- Secure the network with 802.1X, Active Directory, or other access policies
- Maintain security with a dedicated radio that scans and protects against threats while also sensing and adapting RF settings for maximum performance

### Automatic client provisioning

- Automatically apply VLAN tags, bandwidth limits, firewall rules, and more to mobile devices with device-based policies or Active Directory groups
- Provide complete control of heterogeneous client environments using built-in NAC and device management



# 100% Cloud Managed IT Product Family



Wireless (MR): Supports 100+ users per AP for high density 1:1 classroom deployments and BYOD



EMM (SM): Cloud-based centralised management of iOS devices, Androids, Macs, PCs, and more



Security (MX): Feature rich security and networking, with up-to-date content filtering and AMP



Communications (MC): Simple to install and manage telephony for deployments of any size



Switching (MS): Centrally managed Layer 3 Ethernet switches designed for reliability and performance

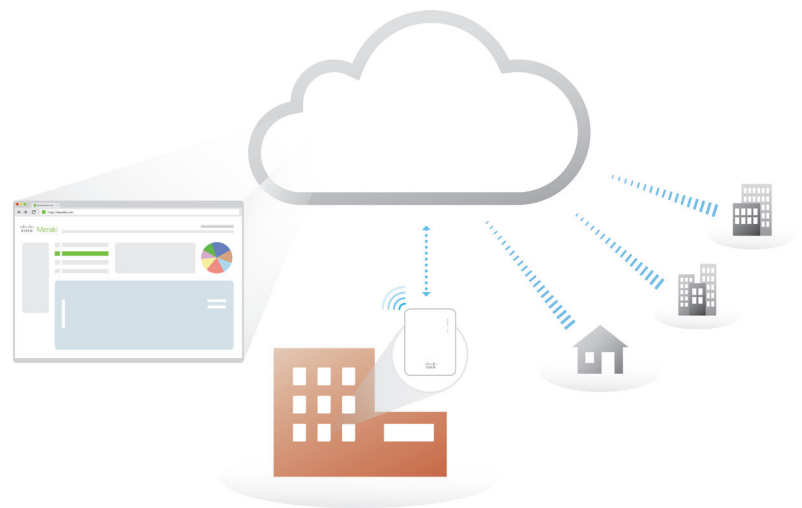


Security Cameras (MV): Standalone cameras with remote viewing, analytics, and motion control search

## Award Winning Cloud Management 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 on your campus, visit [meraki.cisco.com/eval](https://meraki.cisco.com/eval)



“What struck me about the Cisco Meraki solution was just how simple it seemed to be. Various features were so simple to switch on in the dashboard.”

—Andrew Breakspear, IT Officer,  
St. Edmund Hall



“The extreme ease of deployment really sets Cisco Meraki apart. A one-time, centralised network configuration and then all you have to do is plug in the APs - it’s a piece of cake!”

—Marc de Hart, ICT Manager,  
Naturalis Biodiversity Center



“The ease of use with the Meraki solution ensures that I need to have zero, or near-zero, administration burden on a daily basis.”

—Lars Juul, IT Manager,  
EUC Lillebaelt



“I’m going to sound very cliché but the Cisco Meraki solution is the gift that keeps giving! The automatic firmware upgrades are fantastic; they feel as though they’ve been custom-built for us!”

—Ian Robinson, Network & IT  
Manager, Burton College and South  
Derbyshire College