

# 100% Cloud Managed Networks: Simplifying Next Generation IT for Healthcare



Enabling HIPAA-compliant networking, guest Wi-Fi, secure BYOD, and a seamless user experience: The Cisco Meraki solution delivers for Healthcare IT.

- The Cisco Meraki solution provides a fully HIPAA-compliant solution optimized for multi-site deployments typical of clinics and assisted living facilities
- 100% cloud-based architecture provides centralized visibility and control, supporting WLAN, LAN, security, patient/guest Wi-Fi, and mobile device management from a single pane of glass
- Site to site VPN secures connections between distributed sites
- Intuitive cloud-based management console can be quickly configured without training or on-site IT staff
- The Cisco Meraki cloud architecture reduces costs 50% over traditional networking solutions



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

Healthcare providers rely on Cisco Meraki for intuitive, centrally-managed network solutions



## Case Studies



### Community HealthCare System deploys secure guest Wi-Fi across distributed sites and manages mobile devices for healthcare staff

- 70 Meraki wireless access points (APs) provide a unified user experience and seamless roaming across Community HealthCare System's facilities, which include two hospitals, five rural health clinics, and two long-term care facilities
- The Meraki 100% cloud-managed APs provide isolated Wi-Fi access for hospital guests and assisted living residents, maintaining HIPAA compliance and security for the core network
- Network devices and clients used across Community HealthCare System sites are centrally managed in the Onaga, KS headquarters through secure, cloud-based dashboard; new features and updates are deployed via the Web
- Systems Manager provides free mobile device management for 160+ devices with centralized control of app deployment, restrictions and group policies, network settings, and asset management

“Cisco Meraki products are a dream to use...it was the most seamless, easy installation of wireless I have ever touched.”

- Dominic Freeman, Network Administrator for Community HealthCare System



### Mosaic quickly configures HIPAA-compliant network across 37 locations with the Cisco Meraki self-provisioning Auto VPN

- 100% cloud-managed wireless APs, switches, and security appliances provide a HIPAA-compliant network for non-profit Mosaic's headquarters and multiple branch offices
- Small IT team easily deployed over 300 Meraki wireless APs and 40 MX security appliances – all automatically connected via site-to-site VPN
- HIPAA-compliant distributed network gives nurses and staff secure access to electronic medical records (EMR), medication dosage details, and other resources hosted at Mosaic's headquarters
- Layer 7 traffic shaping lets IT prioritize EMR traffic accessed through VPN, while WAN optimization maximizes throughput of all data sent between sites
- Extremely mobile staff authenticate their devices with 802.1X/RADIUS for secure access to data, while client fingerprinting technology allows IT monitor what types of devices are being used
- When planned VoIP solution required a switch upgrade, Mosaic returned to the Meraki line for fast, ultra-reliable MS switches that provide the same depth of control and visibility as the MR and MX devices

“I was floored by how easy it was to take care of everything through the cloud-based dashboard. We saw right away that it would be much easier to deploy Cisco Meraki hardware everywhere and manage it all from here.”

- Daniel McDonald, Systems Integration Manager, Mosaic

# The Cisco Meraki line provides a complete solution for healthcare

## Simplify management of mobile devices

- Restrict access to devices secured by encryption, passcode, device feature, and credentials policies
- Protect sensitive data in the event a device is lost or stolen with remote erase functionality
- Easily deploy WiFi and VPN authentication settings to mobile staff devices, allowing for seamless roaming and connectivity between clinics and medical campuses



## Improve patient and guest experience with WiFi

- Allow hospital guests and patients to stay connected to loved ones with APs that securely isolate guest wireless traffic from the core network
- Enforce fine-grained content filtering with Layer 7 traffic shaping; set rules for P2P, video, audio, and more
- Limit patient/guest wireless access to specific APs and for scheduled times of day with availability controls

**Configuration overview**

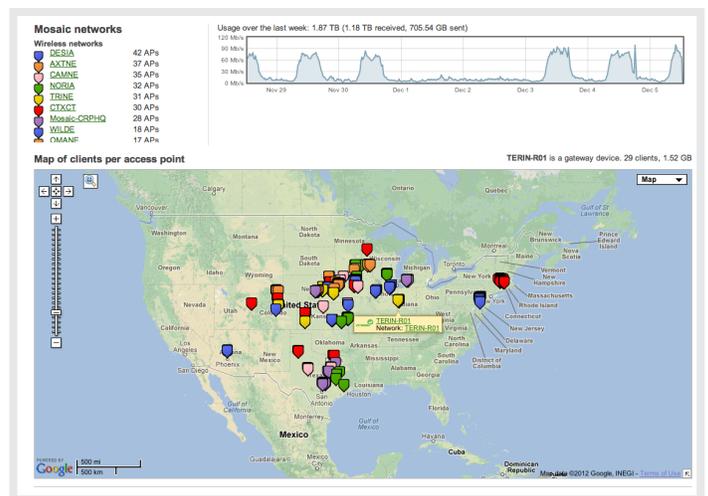
Network name: Meraki Corp – Wireless

SSIDs: Showing 4 of 15 SSIDs. [Show all my SSIDs.](#)

	Meraki-Guest	Meraki-Corp
Enabled	enabled	enabled
Name	rename	rename
<b>Access control</b>		
Encryption	Open	802.1X with custom RADIUS
Sign-on method	Click-through splash page	None
Bandwidth limit	2.0 Mbps	unlimited
Client IP assignment	Meraki DHCP	Local LAN
Clients blocked from using LAN	yes	n/a
Wired clients are part of Wi-Fi network	no	no
VLAN tag	n/a	30
VPN	Disabled	Disabled
<b>Splash page</b>		
Splash page enabled	yes	no
Splash theme	Fluid	n/a

## Reduce management complexity

- Enjoy end-to-end visibility and control of all clinic and medical campus networks from anywhere via an intuitive cloud-based dashboard
- Easily deploy multi-site VPN mesh networks that auto-configure with two mouse clicks to securely transfer sensitive patient data between locations
- Improve bandwidth for high-resolution X-ray images and large files needed by healthcare staff across sites via WAN optimization built into every Meraki security appliance



# 100% Cloud Managed Networking Product Family



## Secure Wireless LAN

Scalable, centrally managed WiFi supports secure patient/guest access, Active Directory integration, and HIPAA compliance



## Access Switches

Centrally managed Ethernet switches bring visibility and control to wired networks



## Security Appliances

Feature rich security and networking, including auto VPN, WAN optimization, and Layer 7 traffic shaping

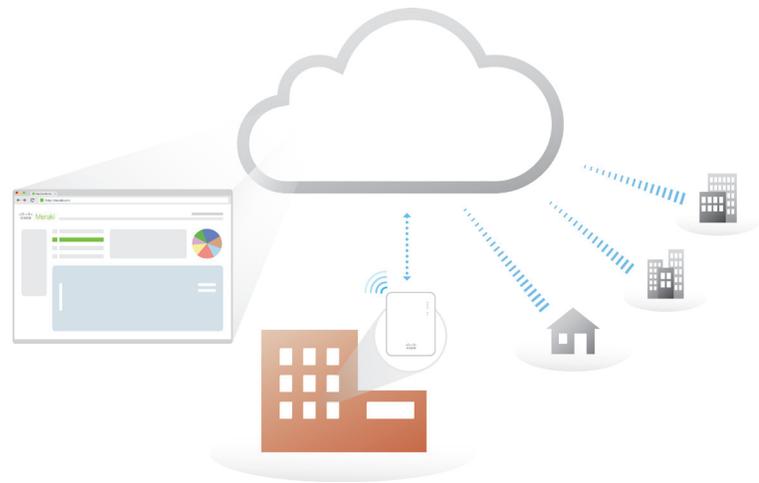


## Mobile Device Management

Centrally manage iOS and Android devices, Macs, and PCs from over the Web

## 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



“A hospital is a 24/7 operation. We had a lot of specific requirements, and Meraki products worked for all of them. The network is 100% reliable.”

– Theodore Dimitrov, IT Security Manager, Uvalde Memorial Hospital



“With small IT groups spread over a wide geographic location, the cloud-based dashboard was a huge advantage. With the security and ease of installation, the knowledgebase didn’t have to be as broad for the IT techs.”

– Toby Teffeteller, Network Administrator, Salinas Memorial Hospital



“The Cisco Meraki line has provided us with much-needed visibility into what is happening on the network at each community and how our bandwidth is being consumed. If one person is hogging the network, it impacts everyone.”

– Chris Franks, Corporate Network Manager, American Baptist Homes of the West



“The Cisco Meraki line is a future proof solution that passed our rigorous wireless security requirements while providing superior value...With Meraki products, I have one less thing to keep me awake at night.”

– Marshall Veerkamp, CIO, EPIC Management, L.P.