Cisco Meraki: 100% cloud-managed IT

- Cisco Meraki: a complete cloud-managed IT solution
  - Wireless, switching, security, mobility management, and communications, all centrally managed over the web
  - Built from the ground up for cloud management
  - Integrated hardware, software, and cloud services

- Leader in cloud-managed networking
  - Tens of thousands of customers across all industries, over 100% annual growth
  - Operating in the cloud since 2006

- Recognized for innovation
  - Gartner Magic Quadrant, InfoWorld Technology of the Year, CRN Coolest Technologies

Trusted by thousands of customers worldwide:
Why cloud managed IT?
An integrated solution for new IT challenges

Billions of mobile devices

HD video and rich media

New business opportunities

Integrated mobility management

Layer 7 application shaping

Analytics and user engagement

A complete solution out-of-the-box:
No extra hardware, software, or complexity
The cloud increases IT efficiency

- Turnkey installation and management
- Integrated, always up-to-date features
- Scales from small branches to large networks
- Reduces operational costs
Bringing the cloud to enterprise IT

Cisco Meraki Overview

- MR Wireless LAN
- MX Security Appliances
- MS Ethernet Switches
- MC Communications
- Systems Manager Mobility Management
Cloud Architecture
Secure, scalable architecture

Secure out-of-band management
No user traffic flows through the cloud

Reliable
Network stays up if connection to the cloud is lost

Scalable
Supporting customers with thousands of sites, millions of clients

Future-proof
New features delivered seamlessly from the cloud
Intuitive web-based dashboard

- Single pane of glass management
- Client fingerprints
- Real-time control
- Site wide search
- Client location
- Traffic analytics

Cisco Meraki Overview
SaaS feature delivery, quarterly updates

User/device fingerprinting

Content filtering

Mobile application deployment

Application firewall

Network access control

Location Analytics
Solution Highlights
Distributed networks

Multi-site visibility and control

Map-based dashboard; configuration sync; remote diagnostics; automatic monitoring and alerts

Zero-touch provisioning

Devices easily provisioned from the cloud, no staging required

Traffic acceleration

Web caching reduces bandwidth usage; application-aware QoS and SD-WAN capabilities prioritize business critical apps
High capacity edge networks

RF optimization and application-aware QoS for high-throughput, high density WLAN

Layer 7 application and traffic shaping
Throttle, block, or prioritize application traffic with DPI-based fingerprinting; set user and group-based traffic shaping rules

Cloud-based RF optimization
Dynamically avoid interference, optimizing channel selection and power levels

Density-optimized WLAN
RF platform tuned for airtime fairness and performance in dense performance-critical environments
## Mobility management

### Profiles & settings

<table>
<thead>
<tr>
<th>Settings</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cisco Meraki Settings</td>
<td>- Device-aware security: Device-aware firewall and access control; antivirus scan; LAN isolation; Bonjour Gateway; content and security filtering</td>
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<tr>
<td></td>
<td>- Integrated EMM: Enforce encryption, passcodes, and device restrictions; deploy enterprise applications; remotely lock or wipe devices</td>
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<td>- Simplified onboarding: Flexible authentication with Active Directory integration, SMS authentication, hosted splash pages, and automatic EMM enrollment</td>
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Security, management, and capacity for BYOD-ready deployments right out of the box
User analytics and engagement

Optimize marketing and business operations

Analyze capture rate, dwell time, and new/repeat visitors to measure the impact of advertising, promotions, site utilization, etc.

Built-in location analytics

Integrated in the WLAN; no extra sensors, appliances, or software

Extensible API

Integrate location data with CRM, loyalty programs, and custom applications for targeted real-time offers

Built-in location analytics dashboard
Flexible authentication and access control

Flexible built-in authentication mechanism

Splash page
- None (direct access)
  Users can access the network as soon as they associate
- Click-through
  Users must view and acknowledge your splash page before being allowed on the network
- Sign-on with Facebook Wi-Fi
  Require users to check in to your Facebook Page before gaining access to your network.
  Save this page first, in order to associate your ssid with your Facebook Page.
- Sign-on with SMS Authentication
  Users enter a mobile phone number and receive an authorization code via SMS.
  You have used 3 of your 25 free texts. Connect your Twilio account on the Network-wide settings page.
- Billing (paid access)
  Users choose from various pay-for-access options, or an optional free tier
- Systems Manager Sentry enrollment
  Only devices with Systems Manager can access this network

Flexible authentication
- Secure 802.1x and Active Directory authentication; Facebook Authentication for branding and targeted social marketing; SMS self-service authentication; and hosted sign-on splash pages

Dynamic access control
- Assign clients layer 3 / 7 firewall rules, VLANs, and application-aware quality of service by identity, group, location, or device type
Simplified enterprise security

Enterprise-class security features for security-conscious environments

Air Marshal WIDS/WIPS
- Detect wireless attacks; contain rogue APs; cloud-based alerting and diagnostics

User and device aware security
- User, device, and group-based firewall rules (layer 3 / 7) with Active Directory integration

UTM and content security
- Application firewall; content filtering matching 1B+ URLs; antivirus/anti-malware filtering; Google safe-search
Case study: E la Carte

E la Carte tablets deployed at over 1,700 restaurants with an MX or Z1 appliance and APs

PCI compliant solution enables mobile POS

Restaurants centrally managed over the web

Deployed without pre-staging or on-site IT

Remote trouble shooting possible on thousands of managed networks

“We wanted to make sure that whatever vendor we chose would be someone who would be there in the long run and have a great tool to use; ultimately, we went with Meraki.”

Dan Smith, Director of Operations & Information Security, E la Carte
Missouri school district with over 18,000 students, 2,000 staff members, and 30+ sites

Cloud-based dashboard provides scalability for infrastructure with high density Chromebook usage

Flexible configurations make group SSID policies simple

Over 1,900 Meraki wireless, security, and switching devices deployed in one summer

“Our educational technology upgrade could not have been possible without the total infrastructure upgrade that we did with Meraki.”

Dr. Amy Gates, Executive Director of Technology, Lee’s Summit R-7 School District
Case study: Talbert House

Serves children, adolescents, and adults at 36 sites in 6 different counties

HIPAA compliant devices enable secure access to Electronic Medical Records

Meraki MR access points and MX security appliances deployed at multiple sites, with plans to roll out more

Greater control over facility-owned devices with Systems Manager mobility management

“It’s hard to be responsible for 36 different sites, but with Meraki, you can see all your sites in one convenient location.”

Brad Gray, Network Administrator, Talbert House
Product Families
MR wireless access points

Feature Highlights
- Application traffic shaping
- Guest access
- Enterprise security
- WIDS / WIPS
- Embedded location analytics

9 models including indoor/outdoor, high performance (802.11ac Wave 2), and value-priced

Enterprise-class silicon including PoE, multigigabit ethernet, voice/video optimization

Lifetime warranty on indoor APs
MX security appliances

Feature Highlights
- Zero-touch site-to-site VPN
- Intrusion detection/prevention
- Content filtering
- Built-in SD-WAN functionality
- Advanced Malware Protection (AMP)
- Application firewall

9 models scaling from small branch to large campus/data center
Complete networking and security in a single appliance
MS access & aggregation switches

Feature Highlights
- Voice and video QoS
- Layer 7 app visibility
- Virtual stacking
- Multigigabit
- Remote packet capture, cable testing

Gigabit access switches in 8, 24, and 48 port configurations; PoE available on all ports
Fiber aggregation switches in 16 and 32 port configurations
Enterprise-class performance and reliability including non-blocking performance
Systems Manager EMM

Device management tool controls iOS, Android, Mac, and Windows devices

Cloud-based: no on-site appliances or software; works with any vendor’s network

Seamless integration with Apple’s Volume Purchase Program and Device Enrollment Program for effortless app deployment

Feature Highlights

- Device posture reporting
- Rapid provisioning
- Integration with Apple’s DEP and VPP
- Streamlined network integration
- Intelligent group policies and tagging
MC communications

Feature Highlights
- Phone number provisioning through dashboard
- Google Apps and Active Directory integration
- End user web portal
- High quality hardware with touchscreen for automatic software updates

Effortless deployment without the need for any on-site infrastructure
Compatible with a wide range of popular headsets
2 year warranty
Out of band cloud management

Scalable
- Unlimited throughput, no bottlenecks
- Add devices or sites in minutes

Reliable
- Highly available cloud with multiple datacenters
- Network functions even if connection to cloud is interrupted
- 99.99% uptime SLA

Secure
- No user traffic passes through cloud
- Fully HIPAA / PCI compliant (level 1 certified)
- 3rd party security audits, daily penetration testing
- Automatic firmware and security updates (user-scheduled)

Reliability and security information at meraki.cisco.com/trust
Try Cisco Meraki risk-free

Sets up in 15 minutes
Technical support available at no cost

Free trials available at
meraki.com/eval