Cisco Meraki Overview
Cisco Meraki: 100% cloud-managed networking

Cisco Meraki: a complete cloud-managed networking solution
- Wireless, switching, security, and MDM, 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 networking?
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 networks

Cisco Meraki MR Wireless LAN
Cisco Meraki MX Security Appliances
Cisco Meraki MS Ethernet Switches
Cisco Meraki SM Mobile Device Management
An integrated solution for new IT challenges

- 1 billion iOS & Android devices
- HD video and rich media
- Integrated mobile device management
- Layer 7 application shaping
- New business opportunities
- Analytics and user engagement

A complete solution out of the-box: No extra hardware, software, or complexity
Cloud architecture
Secure, scalable architecture

- **Secure out-of-band management:** No user traffic flows through the cloud
- **Reliable:** Network stays up if connection to 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

- Wired + wireless
- Client fingerprints
- Application QoS
- Instant search
- Location analytics
- Real-time control
SaaS feature delivery, quarterly updates

- User/device fingerprinting
- Content filtering
- Mobile application deployment
- Application firewall
- Network access control
- WAN optimization
Solution highlights
Distributed networks

Centralized cloud management scales to thousands of sites

Multi-site visibility and control
- Map-based dashboard; configuration sync; remote diagnostics; automatic monitoring and alerts

Zero-touch provisioning
- Devices automatically provision from the cloud, no staging required; self-configuring site-to-site VPN

Traffic acceleration
- WAN optimization and web caching accelerates and de-duplicates network traffic; application-aware QoS prioritizes productivity apps
Layer 7 application traffic shaping

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

Cloud-base 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
Bring your own device (BYOD)

Out-of-the-box security, management, and capacity for BYOD-ready deployments

Device-aware security
- Device-aware firewall and access control
- Antivirus scan
- LAN isolation
- Bonjour Gateway
- Content and security filtering

Integrated MDM
- Enforce encryption, passcodes, and device restrictions
- Deploy enterprise applications
- Remotely lock or wipe devices

Simplified onboarding
- Flexible authentication with AD integration, SMS authentication, hosted splash pages, and automatic MDM enrollment
User analytics and engagement

Optimize marketing and business operations
Analyze capture rate, dwell time, and new / repeat visitors to measure advertising, promotions, site utilization, etc.

Built-in analytics
Integrated into WLAN, no extra sensors, appliances, or software

Extensible API
Integrate location data with CRM, loyalty programs, and custom applications for targeted real-time offers
Flexible authentication and access control

**Flexible authentication**

- Secure 802.1x and Active Directory authentication; Facebook Authentication for branding and targeted social marketing; SMS self-service authentication, Lobby Ambassador, 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

Complete NG firewall and content security
Application firewall; content filtering matching 1B+ URLs; antivirus / antimalware filtering; Google safe-search
Case studies
Case study: Applebee’s

- Wireless LAN spanning over 270 restaurants nationwide
- Customer engagement through guest access, coupons, promotions
- PCI-compliant solution enables mobile POS
- Restaurants centrally managed over the web
- Deployed without pre-staging or on-site IT

“The Meraki Dashboard makes it easy to manage the WiFi across all the restaurants, and we have the visibility we wanted.”

Leslie McMasters, Network Administrator, Apple American Group
Case study: Milpitas Unified School District

- California school district with 14 schools, 10,000 students
- Deployed cloud-managed firewall, 500 wireless APs (indoor + outdoor), and 100 Ethernet switches
- Enabled 1:1 Google Chromebook deployment and BYOD policy
- Application visibility and control optimizes bandwidth across 10k+ clients

“The Dashboard, the traffic shaping, and the MDM were real advantages. We can see the traffic and devices on the fly.”

Chin Song, Director of Technology, Milpitas Unified School District
Case study: Mosaic

• Healthcare and services provider with 5,000 employees, 40 facilities across 11 states
• Deployed 350 cloud-managed wireless APs, switches, and security appliances
• HIPAA-compliant WiFi for electronic medical records and guest access
• Centrally managed by small IT staff

“The Meraki solution has provided us with a secure, centrally managed distributed network.”

Daniel McDonald, Systems Integration Manager, Mosaic
Product Families
MR wireless access points

6 models including indoor/outdoor, high performance (802.11ac) and value-priced
Enterprise-class silicon including PoE, voice/video optimization
Lifetime warranty on indoor APs

Feature highlights
BYOD policies
Application traffic shaping
Guest access
Enterprise security
WIDS / WIPS
Mesh routing
MX security appliances

6 models scaling from small branch to campus / datacenter
Complete networking and security in a single appliance

Feature highlights
- Zero-touch site to site VPN
- WAN optimization
- NG firewall
- Content filtering
- WAN link bonding
- Intrusion detection
MX security appliances

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- Intrusion detection/prevention

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Complete networking and security in a single appliance
MS access & aggregation switches

Gigabit access switches in 8, 24, and 48 port configurations, PoE available on all ports

10 Gigabit SFP+ aggregation switches in 24 and 48 port configurations

Enterprise-class performance and reliability including non-blocking performance, voice/video QoS, and a lifetime warranty
Out of band cloud management in every product

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
Device Management controls iOS, Android, Mac, and Windows devices
Cloud-based: no on-site appliances or software, works with any vendor’s network
Free: available at no cost to any organization, sign up at meraki.cisco.com/sm
Try Cisco Meraki for free

- Try Meraki on your network
- Sets up in 15 minutes
- Technical support available at no cost

Free trials available at meraki.cisco.com/eval
Thank you.