ALIN ACTION

์ขับเคลื่อน [องค์กรอัจฉริยะ] ด้วยพลังของ IT และ OT



Reinventing Enterprise Networks with Al-Driven Simplicity and Security Powered by Cisco Meraki

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Reinventing Enterprise Networks
with Al-Driven
Simplicity and Security
Powered by Cisco Meraki



Transformation meets network complexity

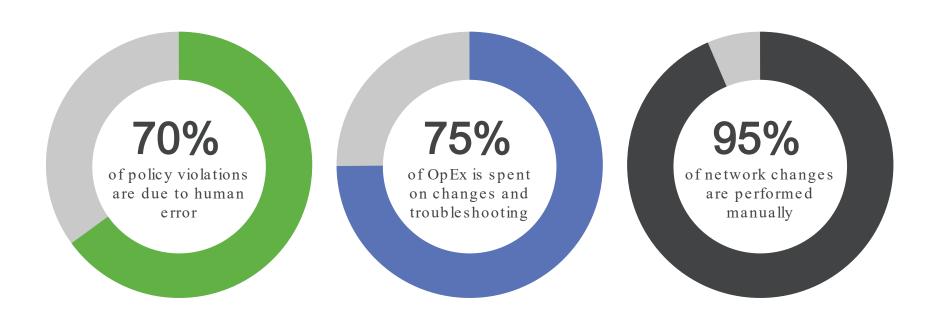


Annually spent on **network operations** labor, and tools ¹

¹Cisco McKinsey Study



Transformation meets network complexity





CISCO MERAKI CUSTOMER STATISTIC

42%

of surveyed organizations
saved 50 -70% or more
time deploying, maintaining,
and/or troubleshooting IT
since using Meraki.

"l" Meraki





2006

Invented cloud networking

2012

Acquired by Cisco

2017

IT Portfolio expansion to IOT

2021

Meraki powers 10M active devices

Today

19+ years designing scalable and secure cloud architecture

Meraki: Born in the cloud, growing daily, and trusted everywhere



838K customers

4+
million

CUSTOMER NETWORKS

700+

million

EXTERNAL API

DAILY REQUESTS

16+

MANAGED DEVICES ONLINE

360+ million

DAILY END USER DEVICES 190+

COUNTRIES IN NETWORK

250+

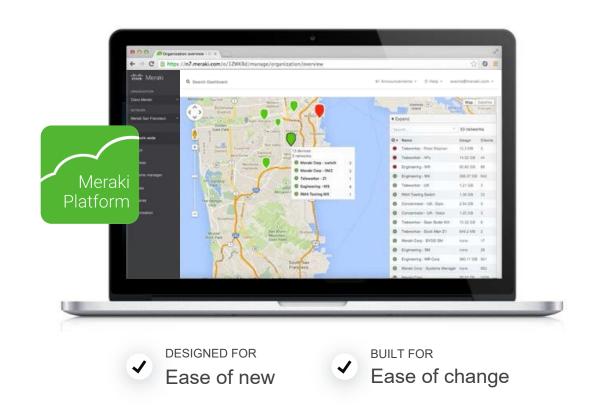
DAILY SPLASH PAGES SERVED



disco Meraki

Cloud - first ops

- Simplicity with intuitive management
- Scalable , SMBs to large enterprises
- Intelligence as IT and OT converge





Meraki Dashboard Benefits

Unparalleled Visibility







Gain insight into what your bandwidth is being used for and who is using it



Receive regular summary reports and alerts when issues arise



Visibility into overall network health and performance

Intuitive Network Management





Multi-site management using the dashboard



Access from anywhere via intuitive browser-based interface



Out-of-the-box solution for full-stack network management

Inherent Scalability





Highly programmable and integrationready for future growth



Supports small deployments or millionuser plus deployments



All inclusive licensing model

True zero -touch provisioning out of the gate



One-time remote ,
web - based
configuration.
Templates simplify large
multi-site deployments

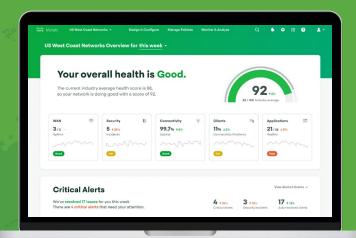
No pre-staging
No onsite configuration

Unbox and plug in appliances at required locations



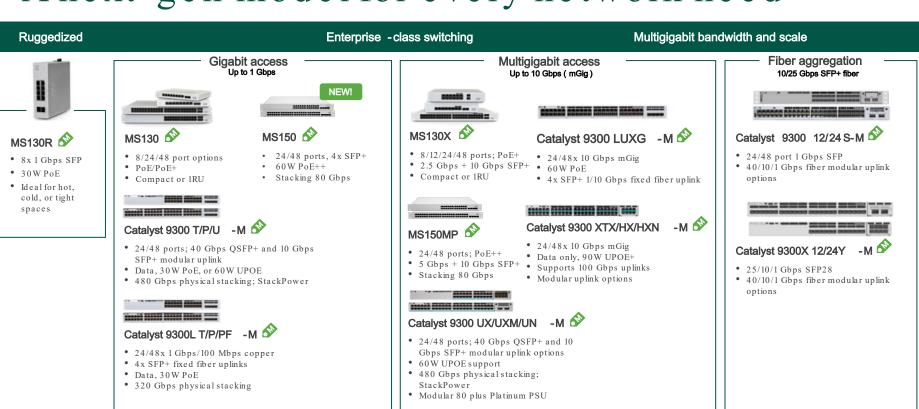
Built on an intelligent cloud platform IT and IoT

94% of customers save time with a **single** intuitive dashboard





A next-gen model for every network need





9300 Simply powerful



Power of the Catalyst Switching with the scalability of Meraki cloud management.

Modular uplinks

Hot-swappable uplink modules for flexible hardware upgrades and easier management.

Adaptive policy

Micro-segmentation of users, devices, and applications to simplify security and access policies.

StackPower

Create additional power capacity by pooling sources to power more PoE devices.

Wide range of mGig speeds

PoE on all 24/48-ports along with SFP and mGig and the option to address legacy infrastructure issues.

60 W UPoE density

Power your smart space needs with UPOE and IEEE 802.3bt support.

Improved physical stacking

Up to 480 Gbps to provide more throughput for Wi-Fi 6 and IoT and higher network resilience.

The Wi-Fi 7 portfolio

Next-Level Unified Hardware



CW91721

- · 6 Spatial Streams
- 2x2:2 across 3 radios, 3 bands (2.4GHz, 5GHz, 6GHz) or 2x2:2 on 2.4GHz and 4x4:4 on 5GHz
- BLE/IoT and dedicated scan radio
- Single 2.5Gbps multigigabit uplink
- USB 2.0 4.5W
- DC Power Jack
- Integrated Omnidirectional Antenna
- · Global Use AP





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CW9172H

- 6 Spatial Streams 2x2:2 across 3 radios, 3 bands (2.4 GHz, 5 GHz, 6 GHz)
- BLE/IoT and dedicated scan radio
- Single 2.5Gbps multigigabit uplink
- 3x 1Gbps LAN port with 1x POE out
- 1x Passthrough port
- Integrated
 Omnidirectional
 Antenna
- · Global Use AP



CW9176I

- 12 Spatial Streams 4x4: 4 MU-MIMO across 3 radios, 3 bands (2.4/5GHz (XOR), 5 GHz, 6GHz)
- BLE/IoT radio
- Single 10 Gbps multigigabit
- Ultra Wide Band (UWB)
- USB 2.0 9W
- Accelerometer
- Built-in GPS/GNSS, w/ support for ext.
 antenna
- Integrated Omnidirectional Antenna



CW9176D1

- 12 Spatial Streams 4x4: 4 MU-MIMO across 3 radios, 3 bands (2.4/5 GHz (XOR), 5 GHz, 6 GHz)
- BLE/IoT radio
- Single 10Gbps multigigabit
- Ultra Wide Band (UWB)
- USB 2.0 9W
- Accelerometer
- Built-in GPS/GNSS, w/ support for ext. antenna
- Integrated Directional Antenna (70x70)



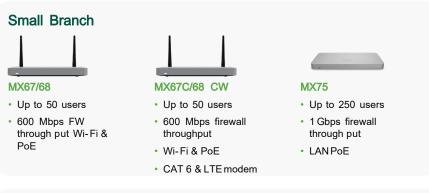


CW9178I

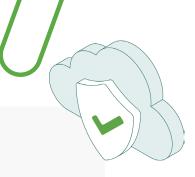
- 16 Spatial Streams 4x4: 4 MU-MIMO across 4 radios, 3 bands (2.4 GHz, dual 5 GHz, 6 GHz)
- BLE/IoT radio & accelerometer
- Dual 10Gbps multigigabit
- Ultra Wide Band (UWB)
- USB 2.0 9W
- Accelerometer
- Built-in GPS/GNSS, w/ support for ext. antenna
- Integrated Omnidirectional Antenna



Meraki SD-WAN & Security







Virtual



VPN Through put

Small Medium 200 Mbps

500 Mbps 1 Gbps

Campus or Concentrator

MX250

Up to 2,000 users

__ 2 000 202

· 4 Gbps FW throug hput

__ 1 1000 1111 11111 --

MX450

- Up to 10,000 users
- 6 Gbps FW through put



Medium to Large Branch

MX85

Up to 250 users

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- 1 Gbps FW through put
- WAN PoF

MX95

· Up to 500 users

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- 2 Gbps FW through put
- WAN PoF

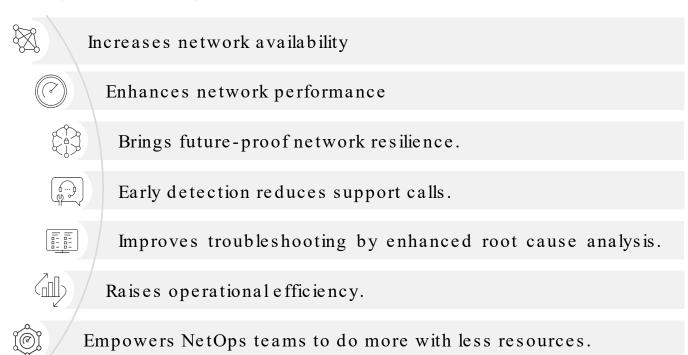
MX105

Up to 750 users

- 3 Gbps FW through put
- WAN PoF

Al Improves Network Operations – AlOps

Artificial intelligence (AI) is becoming driving force behind improving network operations, encompassing innovations such as machine learning, predictive analytics, statistical modeling and problem diagnosis. It brings the following benefits



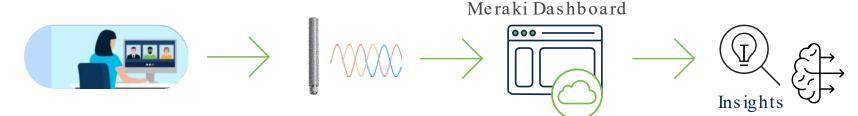
Al Everywhere @Cisco

	Networking	Security —	Collaboration —	ı — Observability —	CX —
AI Generative AI	 Enabled by Silicon One Scheduled Fabric Ethernet Solution In development: Next-gen AlOps Next-gen Assurance Long-term: Al Assistant for Networking (incl network config. generator) 	In development: Al Assistant Experience (incl. Al Assistant in Firewall, XDR and cross-portfolio) Purpose-built LLMs Autonomous Actions (incl. incident summarization, incident-response, playbook recommendation and automation)	 Language Intelligence incl. transcription, translation, captions Webex assistant In development: New Webex AI Assistant Intelligent Contact Center LLM Orchestration Realtime Media Models incl. AI audio codec, super resolution video, etc. 	Model observability In development: Prompt interface Al assistant for summarization	Engineer copilots Automated code creation Customer Q&A & Sentiment analysis Topology generation In development: Test script creation Root cause analysis Long-term: Network risk analysis Self-remediation Adoption advisory
Predictive Al	 Network Management Network Assurance Network Deployment Anomaly Detection Change Automation Predictive Internet 	 Email Compromise Analysis Threat Detection Endpoint Trust Monitor Malware Protection In development: Data Protection Alert Prioritization 	 Background noise removal Voice focus Bandwidth extension People focus / frames Personal/Team insights Cinematic Meetings Meeting Zones 	 Statistical Modeling Baselining Anomaly Detection Intelligent Automation Long-term: Data Tagging 	 Virtual Engineers Analytics Engine Anomaly Detection Sentiment Prediction Managed Insights Change & Assurance (Services-as-Code) CX Cloud - Insights & Analytics

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Al - Enhanced RRM

Quickly assess the health and performance of the RF coverage



- IT admins have no view with respect to RRM changes been made on the network
- RF understanding and optimization needs special expertise
- RRM modifications require expert knowledge

- IT admins would want visibility into RRM changes (why and when it happened)
- IT administrators
 would want
 simplified
 recommendations
 with respect to RF
 changes
- The RRM Control Center within Meraki
 Dashboard allows IT to quickly assess the health and performance of the RF coverage.
- AI Enhanced RRM integrates the power of Artificial Intelligence and Machine Learning (AI, ML).
- Cisco AI-Enhanced RRM brings the ability to analyze historical dynamic RF data over time.

Easy Configuration, Complete Visibility & Improved Serviceability with AI Enhanced RRM

AI-Enhanced RRM

Improves Wireless Reliability

















Flexible Radio Assignment

Optimize band selection to minimize 2.4 GHz interference

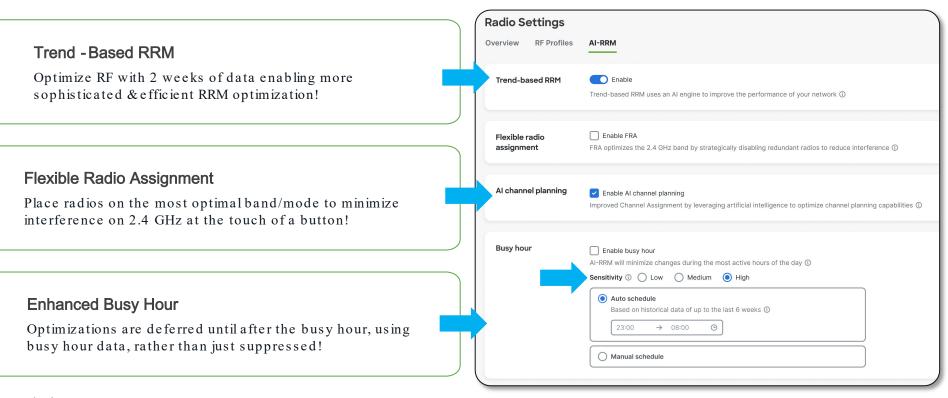


Busy Hour Aware

Minimize disruptive changes during the critical times of day

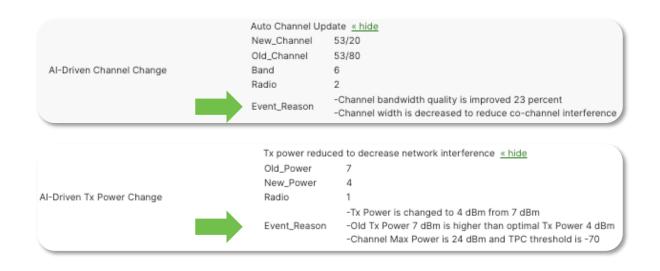


Capabilities that Al - Enhanced RRM will bring to Meraki!



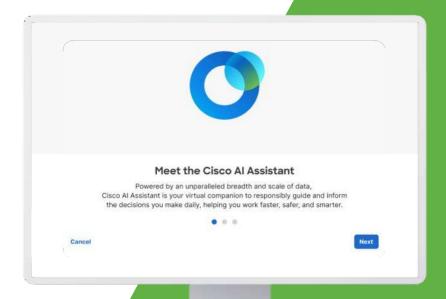


Capabilities that Al - Enhanced RRM will bring to Meraki!





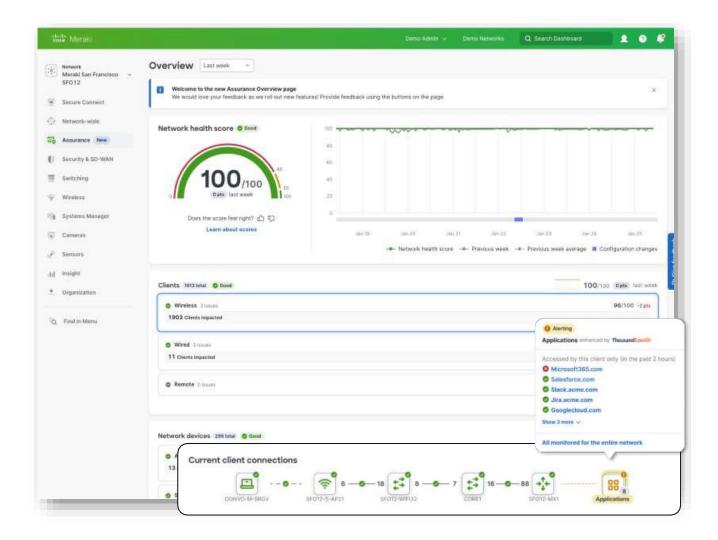
Unlock network intelligence with Cisco Al Assistant

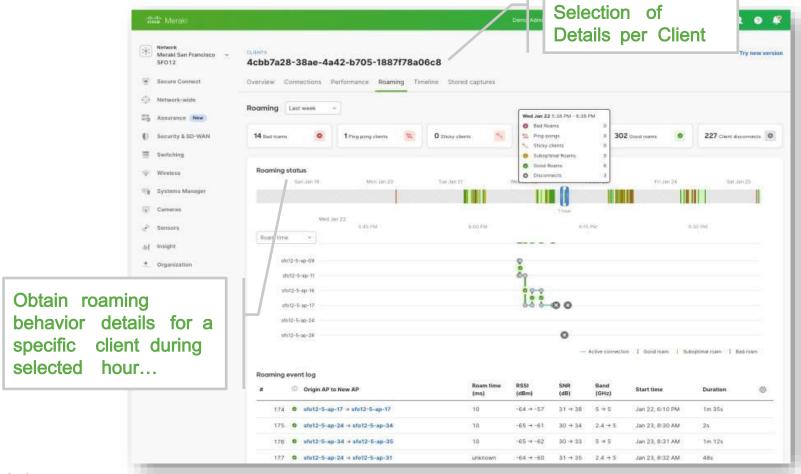


Reduce management costs
Empower productive IT Teams
Optimize network performance and reliability

Meraki **Assurance** Dashboard

- Centralized alerts and monitoring
- Visibility across all network devices







What APIs can do

The term API is an acronym, and it stands for "Application Programming Interface."

Mass provisioning

Set up tens of thousands of networks across time zones in minutes

Network automation

Automatically configure devices based on environmental factors and custom criteria

Advanced monitoring

Monitor devices and trigger workflows in case of failure

Advanced analytics

Produce statistical reports on -demand, e.g. % of wireless vs. wired clients

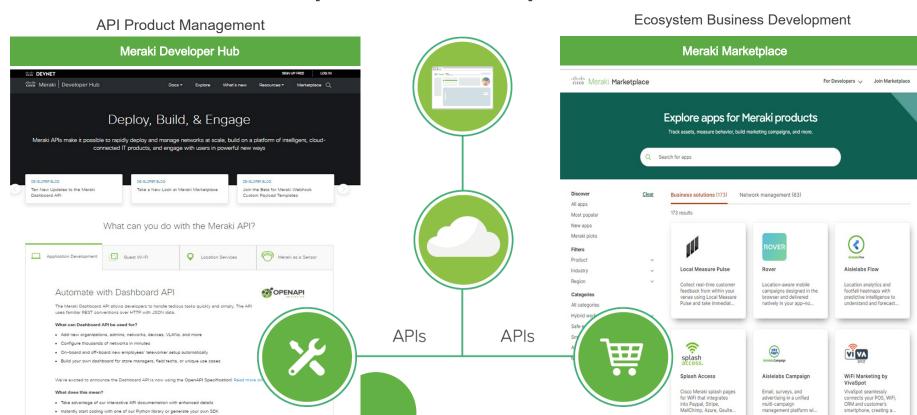
Cloud integrations

Integrate with your own business systems and official ecosystem partner applications





Marketplace + Developer APIs



BUY



. Export the latest version to a Postman collection or other formats

Take advantage of the hundreds of tools and resources that extend the OpenAPI spec

BUILD

Open APIs and Ecosystem









BUSINESS OUTCOME SOLUTIONS

- AI & ML Video Analytics
- Asset & People Tracking
- Real-time, Interactive Customer Experience
- POS & Monetize Wi Fi
- Physical Security
 & Access Control
- Dwelling & Dormitory Integrators
- Wayfinding & Mapping
- Workplace Solutions
- Video & Wi-Fi Analytics: Engagement

ADVANCED IT SOLUTIONS

- Automation
- Identity Services
- IT Service Management Tools
- IOT Security
- Managed Service Solutions
- Application & Performance Monitoring
- Network Monitoring & Logging
- SD-WAN Monitoring & Performance
- Network Security

#10 most used B2B app at work





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