

100% Cloud-Managed IT:
Bringing Robust
Connectivity and Efficiency
to the Factory



By making multi-site deployments a cinch and helping to improve production efficiency, the Cisco Meraki solution makes manufacturers more competitive



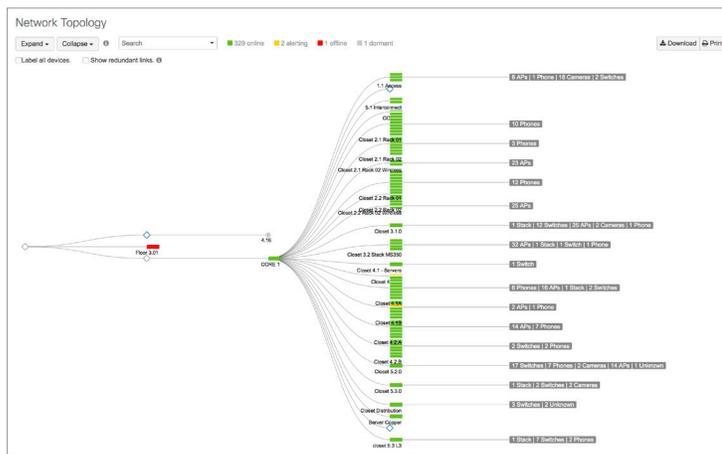
Free evaluations available
at meraki.cisco.com/eval

- Simplify deployment and management across multiple sites with cloud-managed wireless access points, switches, security appliances, cameras, and enterprise mobility management
- Minimize downtime through Meraki SD-WAN capabilities with automatic WAN failover
- Reduce waste and manage security concerns with simple-to-monitor surveillance cameras
- Secure communications between distributed sites with site-to-site VPN
- Make configuring and deploying mobile devices simpler with enterprise mobility management
- Administer the network easily and eliminate the need for extensive training or dedicated on-site staff through intuitive web-based management

Manufacturers trust Meraki for its dependability, simplicity, and utility

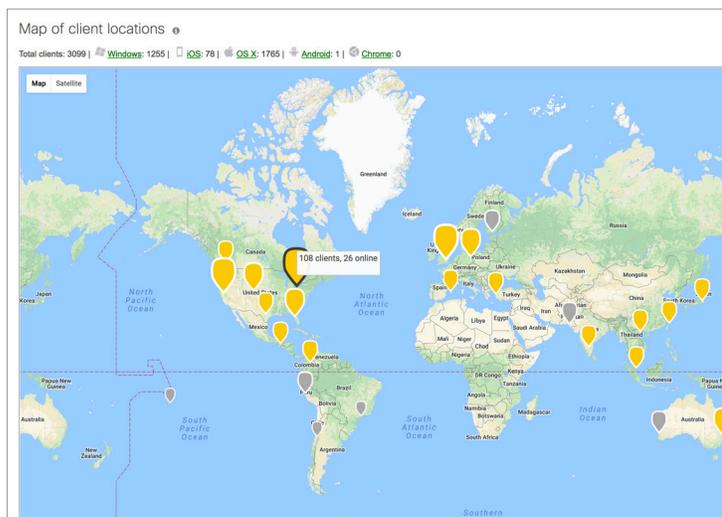


Meraki Brings Smart IT to the Factory, Warehouse, and Headquarters



Decrease costs by improving operational efficiency

- Reduce operating costs by up to 90% with real-time network troubleshooting tools, such as remote packet capture and cable testing
- Deploy Meraki MV surveillance cameras as intelligent sensors to reduce production waste
- Control when PoE devices are on and save energy by using port schedules on Meraki MS switches
- Leverage SD-WAN features on the Meraki MX to reduce WAN costs by prioritizing premium WAN links for critical traffic
- Stay up-to-date with the latest feature and security releases; firmware updates can be scheduled in advance or pushed automatically without taking devices offline



Manage and monitor manufacturing activity from a single place

- Conveniently configure and manage all Meraki equipment through the web-based dashboard, accessible through any browser or the mobile app
- Bring up new sites in days, not weeks, with zero-touch provisioning for a true plug-and-play experience
- Gain real insight into your manufacturing environment using open APIs for the Meraki dashboard to create a master repository combining Meraki and third party data sources into applications such as ServiceNow
- Create video walls consolidating multiple Meraki MV camera feeds to simultaneously monitor areas of interest in real time
- Isolate specific times or motion events captured on the Meraki MV in seconds, remotely and without the need to export any recording data, to quickly hone in on suspicious activity or product loss

Firewall & traffic shaping

SSID: Meraki-Corp

Firewall

Layer 3 firewall rules

#	Policy	Protocol	Destination	Port	Comment	Actions
1	Deny	TCP	Any	137-139	Deny TCP Netbios	✚ ✕
2	Deny	UDP	Any	137-139	Deny UDP Netbios	✚ ✕
	Allow	Any	Local LAN	Any	Wireless clients accessing LAN	
	Allow	Any	Any	Any	Default rule	

[Add a layer 3 firewall rule](#)

Layer 7 firewall rules

There are no rules defined for this SSID.
[Add a layer 7 firewall rule](#)

Traffic shaping rules

Per-client bandwidth limit: unlimited [details](#) Enable SpeedBurst

Per-SSID bandwidth limit: unlimited [details](#)

Shape traffic: Don't shape traffic on this SSID

Minimize production downtime and effortlessly keep the latest cybersecurity threats at bay

- Maintain 24/7 uptime and site-to-site connectivity with Auto-VPN and SD-WAN with automatic WAN failover
- Keep production running smoothly with next-day advanced replacement for all Meraki equipment
- Defend against the latest downtime-causing malicious cyber threats with a fully featured Unified Threat Management solution, continually updated via the cloud

Profiles & settings

Cisco Meraki Settings

Profile configuration

Restrictions

Privacy

Passcode

+ Add settings

Search restrictions

Cross-platform restrictions

Camera Allow use of camera

Device functionality Allow installing apps Allow screen capture Allow device assistant (Siri/Cortana)

iOS & macOS restrictions

iOS restrictions (supervised)

iOS show/hide apps (supervised)

Windows restrictions

Deploy with confidence in any production environment

- Meraki IP67-rated wireless access points can withstand harsh production environments with resistance against dust, vibration, and extreme temperatures
- Configure mobile devices to make access to important features easy while restricting non-productive device usage
- Automatic RF optimization and built-in RF analytics for augmented troubleshooting of challenging RF environments
- Enforce location-based policies for employee mobile device usage and monitor device status (location, battery charge, apps used)



Case Study: Bar-S Foods

Food manufacturer **Bar-S Foods** deploys a full stack of **Meraki** networking equipment across **17** distribution centers and warehouses, six production facilities, and its corporate headquarters

- Meraki enables a small two-person team to manage Meraki access points, security appliances, and switches across 24 locations
- To make deployment and management dramatically easier, Bar-S Foods used configuration templates in the Meraki dashboard, duplicating them across hundreds of devices in just a few clicks
- Meraki Auto VPN and auto-failover features enable a hybrid WAN deployment with augmented MPLS, significantly decreasing downtime risks
- Over five years, Bar-S Foods estimates it will save \$5.25 million in production revenue and that its total cost of ownership will be 87% lower with Meraki compared to traditional technology

“With Meraki, we’ve got better visibility into traffic on the network, and we’re able to take that information and present it to non-technical people in a way that actually makes sense.”

— Brandon Jessie, Senior Network Administrator,
Bar-S Foods



noosa finest yoghurt Case Study: Noosa Yoghurt

Noosa Yoghurt intelligently prevents product loss and increases security at its production plants with the Meraki MV surveillance cameras

- Because MV cameras are self-contained, with built-in solid-state memory and storage, there was no need for Noosa Yoghurt to invest in a separate network video recorder (NVR) or video management system (VMS)
- Setup and deployment were simple — Noosa’s IT team simply had to mount the cameras, connect them to the network, and set focus, aperture, and zoom in the Meraki dashboard
- Motion search saves the Noosa team from having to watch hours of footage to detect product loss; they simply have to select a particular area of the camera view and can automatically see when any motion was detected
- Firmware updates with Meraki are completed seamlessly over the web, with Noosa’s IT team having full control over when updates are pushed to cameras
- With cameras and TVs mounted around the factory, workers can easily see where their colleagues are located and what they’re working on, making collaboration simpler

“We got the Meraki MV for a specific reason and then it actually did what it’s supposed to do — it mitigated some product loss and saved us at least a few thousand dollars.”

— Brandon Colter, Network Technician, Noosa Yoghurt

100% Cloud-Managed IT Product Family



Wireless (MR): Supports 100+ users per AP for high-density lecture hall deployments and BYOD



EMM (SM): Cloud-based centralized management of iOS devices, Android devices, 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 easy-to-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 yourself, visit meraki.cisco.com/eval



“[Meraki] permeates every aspect of the business. The full visibility is hugely beneficial as a manager. We’ve removed issues, increased reliability and performance, and employees are now very happy.”

— James Greene, Group IT Manager, SAS International



“It just works, it’s an affordable solution, and it’s easy to manage. Simple as that. I would recommend Meraki highly.”

— Patrick Garrett, Technology Specialist, Columbia Steel



“Installing the Meraki APs was a piece of cake compared to any other solution where you have to configure each individual device. You plug it in and you’re done.”

— Jason McCallum, Senior Network Engineer, Priefert Manufacturing



“Our network problems have been reduced quite significantly — I would say by about 80% — when we went full stack Meraki.”

— Bilal Khan, Global Network Manager and Security Architect, ATC