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bouchecousue
conseil en informatique

BoucheCousue est une société de conseil en informatique basée à Paris et **revendeur agréé Cisco Meraki** depuis 2011.

Si vous avez des questions, un projet réseau pouvant bénéficier de la solution & des produits Cisco Meraki, **n'hésitez pas à nous contacter :**

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Meraki MS Series Switches

FAMILY DATASHEET



Overview

Cisco Meraki offers a broad range of switches, built from the ground up to be easy to manage without compromising any of the power and flexibility traditionally found in traditional enterprise-class switches.

Meraki access & aggregation switches are all managed through an elegant, intuitive cloud interface, freeing administrators to spend less time on configuration and more time on meeting business needs.

To set up a Meraki switch, just plug it in; there's no need for repetitive, command-based configuration, and switches can be up and running within minutes of connecting them to the network.

A powerful centralized management interface gives administrators deep visibility into the network and how it is used. See which switches are near capacity across hundreds of sites. Quickly provision and reconfigure switch ports with security, QoS, and more. The Meraki dashboard provides unified policies, event logs, and monitoring, making it easy to manage network deployments without sacrifice.

PRODUCT HIGHLIGHTS

- Range of enterprise switching options built on proven Cisco hardware technologies
- Basic L2 to high-performance L3 switches with 10GbE uplinks, suitable for deployments of all sizes
- True zero-touch configuration model that scales with organization needs and requirements
- Integrated troubleshooting tools, logging and alerting reduce operational costs
- Energy efficient design with low acoustics and fanless options
- Flexible stacking for scaled configuration and high performance in one
- Cloud management reduces cost, overhead and time to resolution
- Industry-standard features allow for simple integration into existing and mixed infrastructures
- Role-based administration and automatic, secure firmware updates delivered via the web

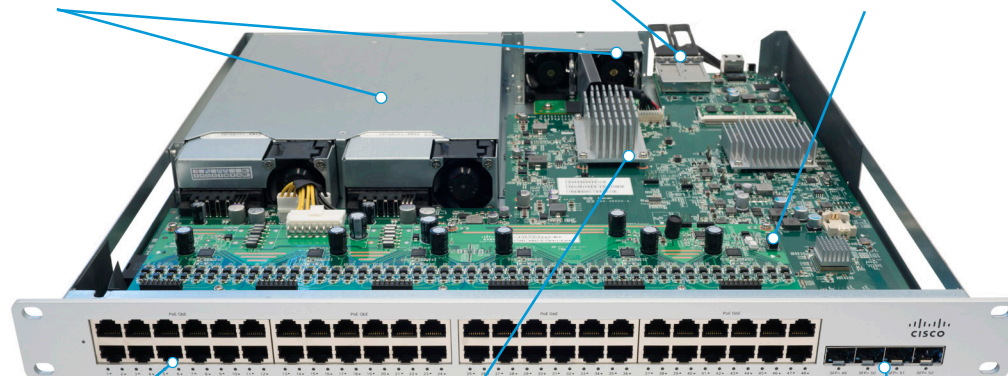
Inside the Meraki MS

MERAKI MS350-48FP SHOWN, VARIES BY MODEL

Energy Efficient Dual Power Supplies with Variable Speed Fans

Stacking connectors

High Reliability / MTBF
Extended Life Components



48× 1 GbE Ports with
802.3af/802.3at PoE/PoE+

Enhanced CPU / Memory
Meraki Cloud Management

Built-in 4 × 10 GbE SFP+ Uplink
Ports for Uplink Connectivity

ENTERPRISE-CLASS HARDWARE

Meraki switches feature high-end hardware and an exceptional feature set, including:

- GbE, 10 GbE and 40 GbE uplink ports for high-speed connectivity to aggregation layer switches or other upstream devices
- Optional Multigigabit ports providing up to 10Gbps on a single Ethernet cable, supporting the latest WiFi performance capabilities
- Wire-speed, non-blocking switch fabric (up to 800 Gbps) and 6 dedicated QoS queues for high-performance, converged voice, video, and data deployments
- Power efficient, quiet acoustic designs, and shallow rack depth options, enabling flexible deployment in wiring closets as well as offices and classrooms
- Fanless design on select models
- Power over Ethernet and PoE+, up to 30W per port
- Up to 740 watt PoE budget with PoE+ support for powering APs, cameras, and other PoE enabled devices (124W for 120-8 series), with UPoE available on the MS350-24X
- Lifetime hardware warranty and advanced replacement at no additional cost
- Field-replaceable, hot-swappable power supplies and fans. RPS option for mission-critical applications

POWERFUL FEATURE SET FOR DEPLOYMENTS OF ALL TYPES

Meraki switches include all of the traditional Ethernet features found on the highest end products, including:

- Quality-of-Service (QoS) to prioritize mission critical traffic such as voice and video
- IEEE 802.1X support for port based network access control
- MAC-based RADIUS auth and MAC whitelisting
- Voice VLAN support for simplified VoIP deployments
- Port Mirroring support for monitoring network traffic at line rate
- DHCP snooping to prevent users from adding unauthorized DHCP servers on the network
- IGMP Snooping to optimize network performance with multicast traffic
- Link Aggregation Control Protocol (LACP) for high-capacity trunking, stacking, and increased availability
- Rapid spanning tree, BPDU guard, root guard, and other safeguards to help prevent misconfigurations and reduce convergence time
- Per port VLAN configuration
- Multiple administrative roles with sophisticated security policy management
- High-performance layer 3 routing capabilities on select models

Meraki Access Switching Portfolio

Series	MS120-8 	MS120 
Deployment type	Compact	Small branch & office
Interfaces	8 x 1GbE RJ45	24 / 48 x 1GbE RJ45
Uplinks	2 x 1GbE SFP	4 x 1GbE SFP
PoE capabilities	67W (LP model) 124W (FP model)	370W (P, LP models) 740W (FP model)
Power configuration	External PSU (non-PoE, LP model) Internal (FP Model)	Internal
Stacking capabilities	Virtual only	Virtual only
Routing capabilities	DHCP Relay	DHCP Relay
Models	MS120-8-HW MS120-8LP-HW MS120-8FP-HW	MS120-24-HW MS120-24P-HW MS120-48-HW MS120-48LP-HW MS120-48FP-HW

Meraki Stackable Access Switching Portfolio

Series	MS210	MS225	MS250	MS350
				
Deployment type	Branch & Small campus	Branch & Small campus	Branch & Campus	Campus & Multigigabit
Interfaces	24 / 48 x 1GbE RJ45	24 / 48 x 1GbE RJ45	24 / 48 x 1GbE RJ45	24 / 48 x 1GbE RJ45 ¹ 8 x XGbE RJ45 (24X only)
Uplinks	4 x 1GbE SFP	4 x 10GbE SFP+	4 x 10GbE SFP+	4 x 10GbE SFP+
PoE capabilities	370W (P, LP models) 740W (FP models)	370W (P, LP models) 740W (FP models)	370W (P, LP models) 740W (FP models)	370W (P, LP models) 740W (24X, FP models)
Power configuration	Internal Optional RPS	Internal Optional RPS	Modular Redundant PSU optional	Modular Redundant PSU optional
Stacking capabilities	Compatible with MS225 80G physical + virtual	Compatible with MS210 80G physical + virtual	80G physical + virtual	160G physical + virtual
Routing capabilities	Static only DHCP Relay	Static only DHCP Relay	Static + Dynamic ² DHCP Server + Relay Warm spare (VRRP)	Static + Dynamic ² DHCP Server + Relay Warm spare (VRRP)
Models	MS210-24-HW MS210-24P-HW MS210-48-HW MS210-48LP-HW MS210-48FP-HW	MS225-24-HW MS225-24P-HW MS225-48-HW MS225-48LP-HW MS225-48FP-HW	MS250-24-HW MS250-24P-HW MS250-48-HW MS250-48LP-HW MS250-48FP-HW	MS350-24-HW MS350-24P-HW MS350-24X-HW MS350-48-HW MS350-48LP-HW MS350-48FP-HW

¹Interfaces do not support half-duplex on the MS350

²Detailed routing specifications are available in series datasheets

Meraki Aggregation Switching Portfolio

Series	MS410	MS425
		
Deployment type	1G fiber aggregation	10G fiber aggregation
Interfaces	16 / 32 x GbE SFP	16 / 32 x 10GbE SFP+
Uplinks	2 x 10GbE SFP+ (MS410-16) 4 x 10GbE SFP+ (MS410-32)	2 x 40GbE QSFP+
Power configuration	Modular Redundant PSU optional (sold separately)	Modular Redundant PSU optional (sold separately)
Stacking capabilities	160G physical + virtual	Front-port 160G + virtual
Routing capabilities	Static + Dynamic DHCP Server + Relay Warm spare (VRRP)	Static + Dynamic DHCP Server + Relay Warm spare (VRRP)
Models	MS410-16-HW MS410-32-HW	MS425-16-HW MS425-32-HW

Lifetime Warranty with Next Day Advance Replacement

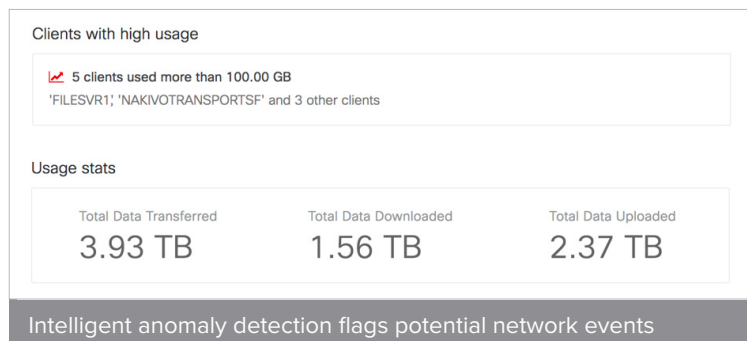
All Cisco Meraki MS switches include a limited lifetime hardware warranty that provides next-day advance hardware replacement. Meraki's simplified software and support licensing model also combines all software upgrades, centralized systems management, and phone support under a single, easy-to-understand model. For complete details, please visit meraki.cisco.com/support.

Features and Capabilities

Meraki switches include all of the traditional Ethernet features found in modern enterprise access switches, including:

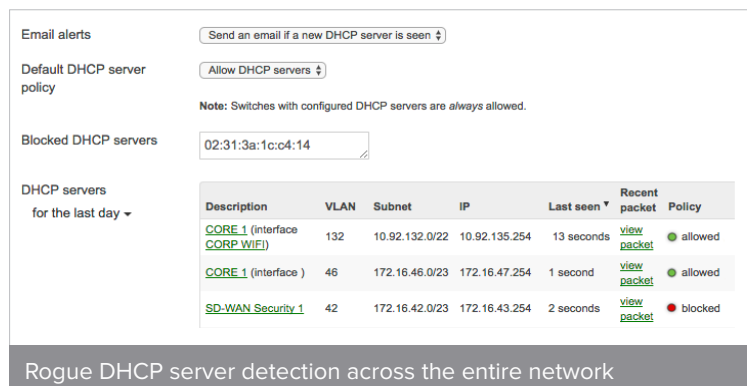
INTELLIGENT CAMPUS & BRANCH SWITCHING

With built-in monitoring, troubleshooting and logging capabilities, Meraki switches provide a refreshing new approach to managing network infrastructure, regardless of deployment size. Meraki's Virtual Stacking technology eliminates the need for configuration scripts and commands, empowering administrators to make changes quickly and securely on one or all the switches in a deployment at once.



WIRED SECURITY WITHOUT COMPROMISE

Whether deployed in an office environment, hospital or retail store, Meraki switches make enforcing security policies a breeze. Set up multiple policies and enable them at the port-level, or apply them across the entire network in a few clicks. Meraki switches also provide comprehensive security reporting, making it easy to proactively discover rogue DHCP servers and other malicious activity on the network.

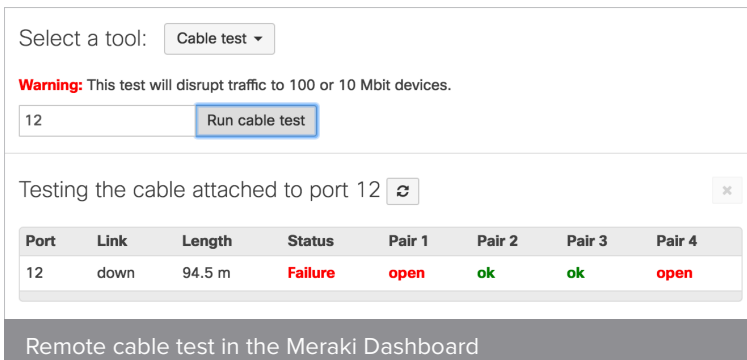


TROUBLESHOOTING, THE WAY IT SHOULD BE

Drastically reduce time-to-resolution with a variety of powerful troubleshooting tools such as remote cable testing and packet captures that help isolate and troubleshoot network issues.

With Meraki's dynamic network topology, see how the entire network is interconnected, automatically.

Ensure the entire team receives alerts upon power loss, downtime, or configuration changes.



INDUSTRY LEADING CLOUD MANAGEMENT

Meraki's cloud management architecture delivers true zero-touch switch provisioning – configure switches before they arrive onsite, or use Meraki templates to standardize an entire fleet of switches, no matter what size.

With Meraki Virtual stacking, administrators can manage up to thousands of ports from a single pane of glass, enabling rapid and streamlined configuration that could otherwise take weeks to complete.

Switch ports for the last day

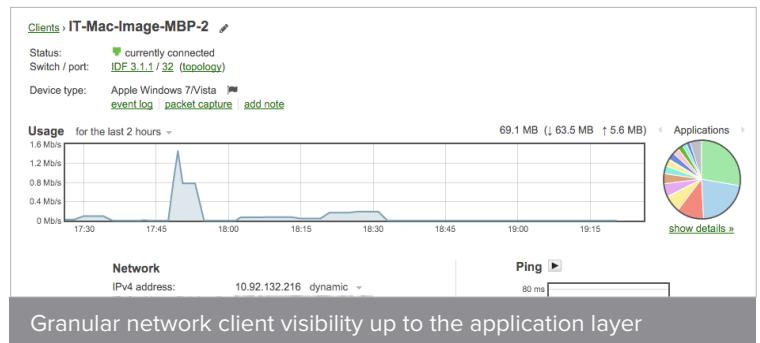
3204 switch ports

Switch / Port *	Switch	Name	Type	VLAN	Status	Tags	POE	Access policy	CDP/LLDP
CORE 1/16	CORE 1	Staging Port	access	110				Open	-
CORE 1/17	CORE 1	To ALPHA-GW1	access	78				Open	sf12.00a-gw1.cisco.com
CORE 1/18	CORE 1	To ALPHA-GW2	access	78				Open	sf12.00a-gw2.cisco.com
Core 1.1.3/1	Core 1.1.3	Cisco Alpha	access	110, voice 110			disabled	Open	SEP5897B02E1674

Switch virtual stack for managing all switch ports at once

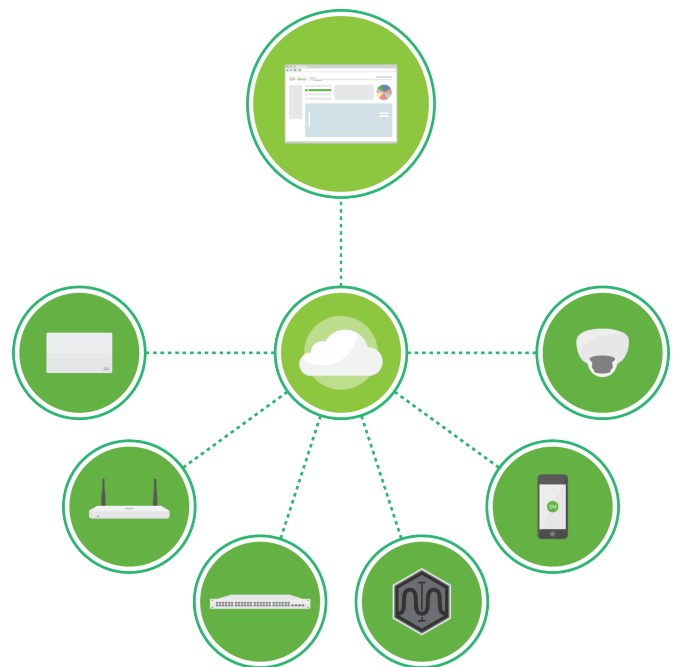
BUILT-IN APPLICATION LAYER VISIBILITY

Meraki is the only switch to include integrated Layer 7 fingerprinting. Identify hundreds of applications from business apps to BitTorrent and YouTube. User fingerprinting with Google-like search allows administrators to easily identify and control individual users, PCs, iPads, Androids, and other devices. This unprecedented visibility allows optimizing of network resources and maintaining optimal network performance.



BEYOND-THE-NETWORK SOFTWARE ARCHITECTURE

Meraki switches run the same Meraki operating system used by all of Meraki's products. The use of a common operating system allows Meraki to deliver a consistent experience across all product lines, from our security cameras to our APs. When connected, our switches automatically connect to the Meraki cloud, download configuration, and join the appropriate network. If new firmware is required, this is retrieved by the switch and updated automatically. This ensures the network is kept up-to-date with bug fixes, security updates, and new features.



Meraki Cloud Management Architecture with All Products

Included In the Box

MS120-8 Series	Integrated mounting brackets, External PSU (non-PoE and LP models), Mounting screw kit, Getting started insert
MS120 Series	Mounting screw kit, Getting started insert
MS210 Series	Mounting screw kit, Getting started insert
MS225 Series	Mounting screw kit, Getting started insert
MS250 Series	Power Supply (1), System fans (2), Mounting screw kit, Getting started insert
MS350 Series	Stacking cable (1), Power Supply (1), system fans (2), Mounting screw kit, Getting started insert
MS410 Series	Power Supply (1), System fans (2), Mounting screw kit, Getting started insert
MS425 Series	Power Supply (1), System fans (3), Mounting screw kit, Getting started insert

Optional Accessories

DESCRIPTION	ACCESSORY	SUPPORTED MODELS
Power cable	MA-PWR-CORD-US MA-PWR-CORD-EU MA-PWR-CORD-UK MA-PWR-CORD-AU	All models
External Power Supply	DC 54V/1.67A, 90W, MA-PWR-90WAC DC 12V/2.5A, 30W, MA-PWR-30WAC	MS120-8, MS120-8-LP
250W Power Supply	MA-PWR-250WAC	MS250-24, MS250-48, MS350-24, MS350-48, MS410, MS425 models
640W Power Supply	MA-PWR-640WAC	MS250-24P, MS250-48LP, MS350-24P, MS350-48LP
1025W Power Supply	MA-PWR-1025WAC	MS250-48FP, MS350-24X, MS350-48FP
Meraki Stacking Cable, 0.5 Meter	MA-CBL-40G-50CM	All MS210, MS225, MS250, MS350, MS410, MS425 models
Meraki Stacking Cable, 1 Meter	MA-CBL-40G-1M	All MS210, MS225, MS250, MS350, MS410, MS425 models
Meraki Stacking Cable, 3 Meter	MA-CBL-40G-3M	All MS210, MS225, MS250, MS350, MS410, MS425 models
16K System Fan	MA-FAN-16K	MS350-24, MS350-24P, MS350-48, MS350-48LP, MS350-48FP, MS410 models
18K System Fan	MA-FAN-18K	MS350-24X, MS425 Series

Meraki MS switches support SFP/SFP+/QSFP+ optic accessories for high-speed connectivity. Meraki offers a variety of GbE, 10GbE and 40GbE accessories. Full specifications and compatibility information is available in the Meraki Accessories datasheet: https://meraki.cisco.com/lib/pdf/meraki_datasheet_sfp.pdf

Additional Resources

Meraki MS120-8 Compact Series Datasheet

https://meraki.cisco.com/lib/pdf/meraki_datasheet_ms120_compact.pdf

Meraki MS120 Series Datasheet

https://meraki.cisco.com/lib/pdf/meraki_datasheet_ms120.pdf

Meraki MS210 Series Datasheet

meraki.cisco.com/lib/pdf/meraki_datasheet_ms_210.pdf

Meraki MS225 Series Datasheet

meraki.cisco.com/lib/pdf/meraki_datasheet_ms_225.pdf

Meraki MS250 Series Datasheet

meraki.cisco.com/lib/pdf/meraki_datasheet_ms_250.pdf

Meraki MS350 Series Datasheet

https://meraki.cisco.com/lib/pdf/meraki_datasheet_ms_350.pdf

Meraki MS400 Series Datasheet

meraki.cisco.com/lib/pdf/meraki_datasheet_ms400-series.pdf

Meraki SFP & Stacking Accessories Datasheet

meraki.cisco.com/lib/pdf/meraki_datasheet_sfp.pdf

Cost Calculator

<https://meraki.cisco.com/buy/cost-calculator>



Vous souhaitez en savoir plus sur Cisco Meraki et essayer la solution gratuitement? Plusieurs options s'offrent à vous.

En autonomie:

- **Webinar :** Participez à un webinar Cisco Meraki en cliquant [ici](#) et recevez ultérieurement un équipement gratuit¹ (comme une borne WiFi, un switch)
- **Try & Buy :** Essayez le matériel Cisco Meraki gratuitement en cliquant [ici](#). A la fin de votre essai vous pouvez décider de garder & acheter le matériel ou le renvoyer.

Avec notre accompagnement:

Contactez-nous par téléphone (+33 1 83 62 52 34) ou par email à hello@bouhecousue.com en nous précisant votre projet. Nous pourrions choisir ensemble le matériel adapté à votre besoin et vous le faire essayer.

Retrouvez aussi nos coordonnées postales sur cette page : <https://bouhecousue.com/contact/> si vous souhaitez convenir d'un rendez-vous.

¹ Nécessite l'éligibilité à des critères définis par Cisco Meraki, vérifiez que vous êtes éligible sur le site de Cisco Meraki