Manuals+ — User Manuals Simplified.

CISCO SD-WAN Meraki Enterprise Network Security

CISCO SD-WAN Meraki Enterprise Network Security User Manual

Contents

CISCO

CISCO SD-WAN Meraki Enterprise Network Security

Specifications

- **Product Name:** Cisco Meraki Manufacturing Solution Guide
- **Platform:** Cloud-based IT platform
- **Features:** Simplify network operations, extend beyond Industry 4.0 standards, unite IT and OT, enhance security

Product Usage Instructions

- Make complex IT provisioning and monitoring a thing of the past by utilizing cloud management for scalability and end-to-end visibility. Implement zero-touch provisioning for the entire IT infrastructure to achieve operational savings.
- Integrate IT and OT to embrace IoT technology across operations. Utilize IoT for intelligent security solutions and data-driven manufacturing strategies to reduce costs and enhance competitiveness.
- Avoid time-consuming tasks by automating network performance monitoring, upgrades, policies, and troubleshooting. Implement modern wireless and networking standards for improved performance across multiple locations.
- Prioritize physical safety, data security, and privacy by safeguarding locations and protecting connectivity. Ensure secure access to cloud applications and networks to mitigate security threats.

FAQ

- **Q:** How can I access the Meraki platform?
- **A:** You can access the Meraki platform securely through a cloud-based interface accessible from any location with internet connectivity.
- **Q:** Can the Meraki platform support multiple manufacturing locations?
- **A:** Yes, the Meraki platform is designed to scale and support thousands of locations, providing centralized management and visibility across all sites.
- **Q:** Is training available for utilizing the Meraki platform effectively?
- **A:** Yes, Cisco Meraki offers training resources and support to help users maximize the benefits of the platform for their manufacturing operations.

Embrace change and accelerate your digitisation efforts

- Manufacturing has faced massive disruption in recent years, with shocks to supply chains, revenues, and hiring.
- Modernising operations for Industry 4.0 and beyond to reduce downtime, streamline workflows, and become more sustainable is key to staying agile in an ever-changing world.
- In fact, 93% of manufacturing and supply chain professionals plan to focus on the resilience of their supply chain, while 90% plan to invest in talent for digitisation.
- Embrace change and accelerate your digitisation efforts The ability to evolve with speed, security, and scale is the foundation for succeeding in tomorrow's marketplace. How manufacturers adapt—and how quickly—will set them apart from their competitors.

An intuitive, intelligent, innovative platform

Cisco Meraki offers a secure, cloud-based IT platform designed to future-proof your digital transformation. Our extensible technology helps manufacturing organisations simplify network operations, extend beyond Industry 4.0 standards, and easily create and unify secure IT experiences.

The Meraki platform enables manufacturers to:

- Reduce complexity
- Automate and modernise
- Unite IT and OT

- Secure and safeguard

Reduce complexity

Make complex IT provisioning and monitoring a thing of the past. Cloud management allows scalability to thousands of locations for true end-to-end visibility with zero-touch provisioning for the entire IT infrastructure. Achieve operational savings through auto-deployment, as well as automated upgrades and patching.

Automate and modernise

Automate time-consuming, repetitive tasks like monitoring network performance and endpoints, rolling out upgrades and policies and troubleshooting infrastructure to dramatically reduce time spent performing network changes. IT teams can also leverage modern, high-performance wireless and networking standards across multiple locations.

Unite IT and OT

Bringing together IT and OT enables factories to more easily embrace IoT technology across their entire operations. From intelligent security cameras that can identify product loss incidents to adapting manufacturing strategies based on data from production equipment, sales forecasts, product demand, and other sources, IoT can help manufacturers reduce costs and compete effectively.

Secure and safeguard

As security threats grow more frequent, factories must prioritise employees' physical safety, safeguard locations, secure data and privacy, and protect connectivity for cloud applications and network access.

The Meraki platform: A foundation for IT and IoT transformation

Achieve transformative results with cloud networking

REMOTE OPERATIONS

- Securely connect for hybrid/remote work
- Maintain uptime for plant production
- Centrally manage network devices regardless of location

FEATURED PRODUCTS

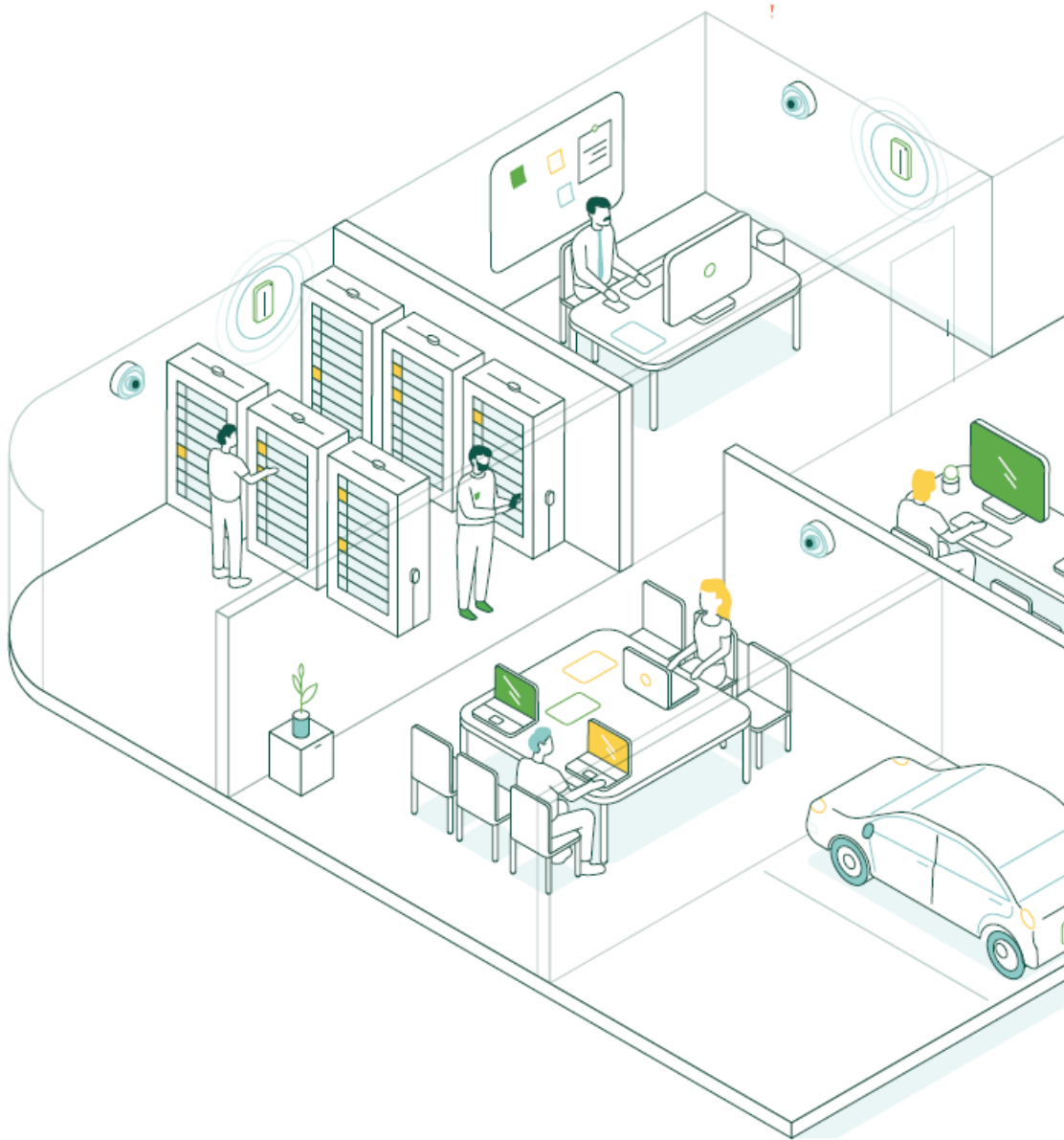

MERAKI DASHBOARD

MV SMART CAMERA

Z3 REMOTE

Gain real-time visibility into your operations

ASSET MANAGEMENT

- Increase asset utilisation rates
- Reduce shrinkage and theft of inventory
- Enable more efficient equipment maintenance schedules
- Monitor contractors in restricted areas

FEATURED PRODUCTS
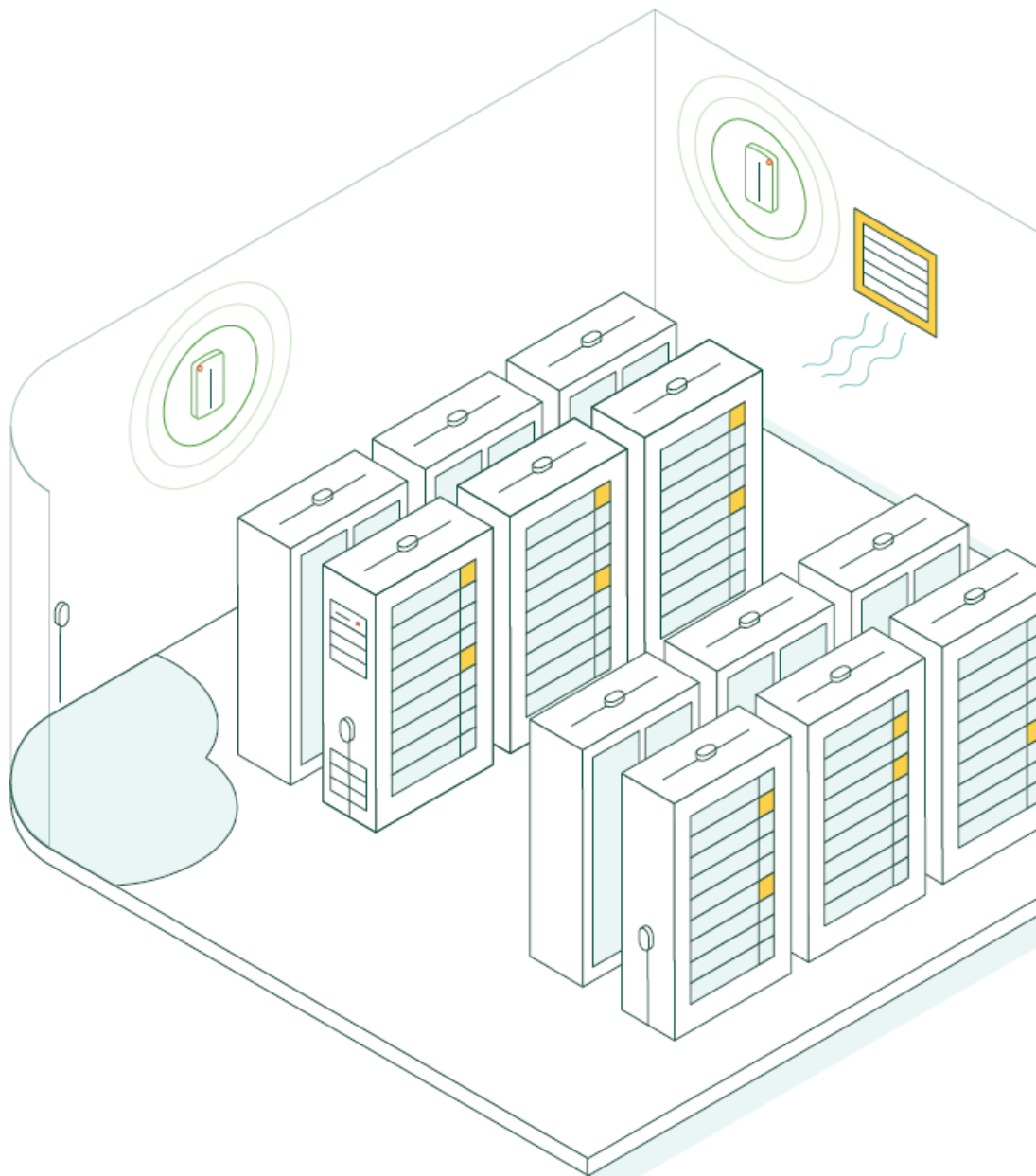
MV SMART CAMERA

MR WIRELESS

MT SENSOR

Bring environmental savings to the factory floor

SUSTAINABILITY

- Monitor environmental anomalies in restricted spaces
- Gain visibility into energy consumption and costs
- Centrally manage network device power draw
- Reduce network downtime and equipment damage

FEATURED PRODUCTS


MERAKI DASHBOARD

MS SWITCH

MT SENSOR

Protect people and assets while ensuring employee safety

PHYSICAL SECURITY

- Gain visibility into PPE compliance
- Identify missing products and misplaced items
- Reduce the cost of human error in warehouse object sorting

- Protect against physical security threats and vandalism
- Get real-time visibility of persons in danger in case of emergency
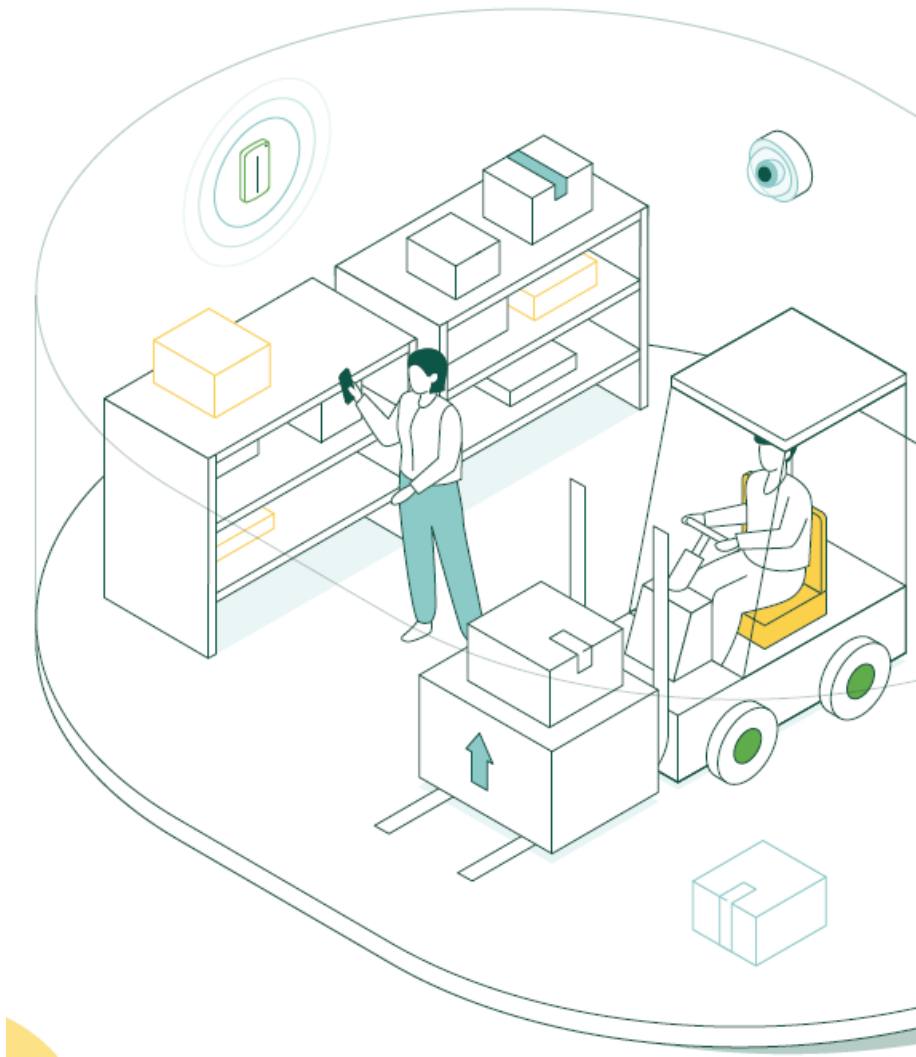
FEATURED PRODUCTS

MV SMART CAMERA

MT SENSOR

Cloud-managed Meraki portfolio

ACCESS POINTS (APs)

- Supports high-density deployments with reliable connectivity and seamless roaming.

SECURITY AND SD-WAN

- Feature-rich network security stops malicious files and ensures bank data privacy.

ENDPOINT MANAGEMENT

- Centrally manage iOS, Android, Mac, and Windows devices.

MERAKI INSIGHT

- Works with Meraki MX to collect network/ web traffic and visually identify and isolate web application problems.

SWITCHES

- Centrally managed layer 3 Ethernet switches designed for performance and reliability.

SMART CAMERAS AND SENSORS

- Scalable, easy-to-use physical security deployments with built-in storage and intelligence.

EXTEND IMPLEMENTATIONS WITH OUR ECOSYSTEM PARTNERS

Gain visibility and insights into your manufacturing operations with Meraki

REVOLUTIONISING IT INFRASTRUCTURE

"The Meraki infrastructure has allowed us to implement state-of-the-art robotic technology to automate the warehousing and distribution processes without any capacity nor service problems."
JOAN GORMEDINO
Director of People, Quality, and Compliance at ESBO Logistics

PROVIDING A SINGLE VIEW OF IT OPERATIONS

"With the various solutions available in the market, I chose Cisco Meraki for these four reasons: switching, firewalls, Wi-Fi, and the cameras. But the deal-breaker: I just need to go to one dashboard."

ROBERT TAN
Senior Director of Infrastructure & Cloud at Maxeon Solar Technologies

PROTECTING DATA AND INFRASTRUCTURE

"We know that the faster we migrate, the sooner life will be made easier for our team. But most importantly, the ones who benefit the most are our customers. With a more stabilised and secure network, we can deliver on our service-level agreements (SLAs) without disruptions."

ANTHONY KWONG
Chief Information Officer at DB Schenker

Start your journey to a future-proof factory with the Meraki cloud-managed platform.

Documents / Resources

 CISCO SD-WAN Meraki Enterprise Network Security [pdf] User Manual
SD-WAN Meraki Enterprise Network Security, Meraki Enterprise Network Security, Enterprise Network Security, Network Security, Security

References

- **User Manual**