

Meraki Z-Series

CLOUD MANAGED TELEWORKER GATEWAY



Fast, Reliable Connectivity for the Modern Teleworker

The Cisco Meraki Z-Series teleworker gateway is an enterprise class firewall, VPN gateway and router. Each model offers five gigabit ethernet ports and wireless for connectivity. Each model is designed to securely extend the power of Meraki cloud managed networking to employees, IT staff, and executives working from home.

Using Meraki's proven and highly scalable Auto VPN technology, administrators can deploy network services including VoIP and remote endpoints with automatic, zero-touch provisioning. Additionally the Z-series provides secure wired and wireless access, and increases end-user productivity through Layer 7 traffic shaping.

All models feature a high-performance stateful firewall, support for VLANs, inter-VLAN routing, and isolation to segregate corporate data from recreational traffic. The Z-series offers the latest in wireless performance with 802.11ac Wave 2 technology with MU-MIMO support to provide reliable and high speed network access for most demanding business applications and latest devices.

Z-Series and Meraki Cloud Management: A Powerful Combo



All Meraki devices are managed via the Meraki cloud, with an intuitive browser-based interface. Since the Z-series is self-configuring and managed over the web, you can rapidly deploy at remote locations without any assistance from end-users.

Meraki Cloud services monitor all devices 24x7 and deliver real-time alerts if any device encounters a problem. Remote diagnostics tools enable real-time troubleshooting through any web browser. New features and enhancements are delivered seamlessly over the web, so you never have to manually download software updates or worry about missing security patches.

Z-Series Product Highlights

- 4 GbE ports for printers, phones and other wired devices
- 1 PoE-enabled port for VoIP phones and other powered devices
- Dual-concurrent 802.11ac Wave 2 radios with up to 1.3 Gbps data rate
- Auto VPN for intelligent site-to-site VPN connectivity
- 802.1x port authentication for wired devices
- Layer 7 application traffic shaping and prioritization
- Layer 3 firewall to separate corporate data from personal traffic
- Up to 4 SSIDs with integrated enterprise security and personal / guest access
- Optional desk stand
- Self-configuring, plug-and-play deployment
- Ideal for telecommuters using VoIP and remote applications
- Sleek, low profile design
- Built-in 100 Mbps CAT 3 LTE connectivity (Z3C)

Models

	Z3	Z3C
		
Recommended use cases	Teleworker with VoIP or PoE, IoT, and M2M	Teleworker with VoIP or PoE, IoT, and M2M
Recommended clients	Up to 5 devices	Up to 5 devices
Stateful Firewall Throughput	100 Mbps	100 Mbps
Maximum VPN Throughput	50 Mbps	50 Mbps
WAN Interfaces	1 x GbE RJ45 1 x USB (cellular failover ¹)	1 x GbE RJ45 1 x Integrated CAT 3 LTE Cellular Modem (cellular failover) 1 x USB (cellular failover ¹)
LAN Interfaces	4 x GbE	4 x GbE
PoE	1 x PoE enabled port (802.3af, 15.5W)	1 x PoE enabled port (802.3af, 15.5W)
Dimensions (w x d x h)	6.83" x 4.41" x 1.04" (173.4mm x 112mm x 26.3mm)	7.9" x 4.41" x 1.04" (200mm x 112mm x 26 mm)
Weight	0.85 lbs (0.386 kg)	1.1 lbs (0.487 kg)
Power Supply	50W (54 V / 0.92 A) Power supply included	50W (54 V / 0.92 A) Power supply included
Operating Temperature	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)
Humidity	5% to 95% non-condensing	5% to 95% non-condensing

¹ Requires separate cellular modem

Accessories



Desk Stand (sold separately)

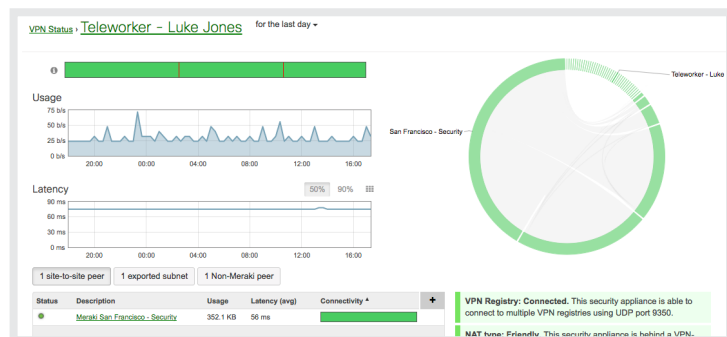


50W Power Adapter Spare



Power Cord (sold separately)

Features



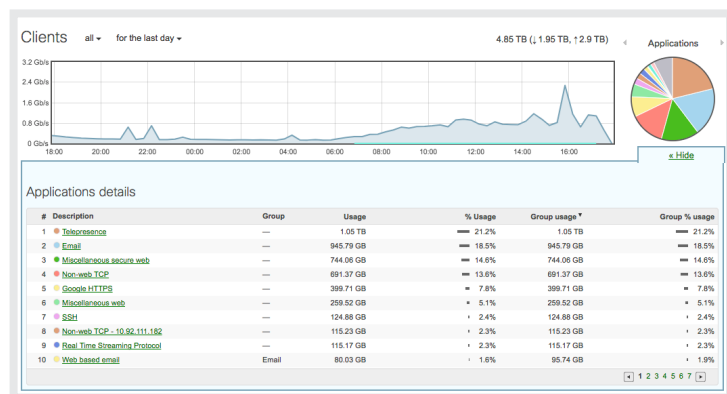
AUTO CONFIGURING SITE-TO-SITE VPN

Auto VPN

Leveraging Meraki's cloud architecture, VPN tunnels to HQ or the data center can be enabled via a single click without any command-line configurations or multi-step key permission setups. Meraki's patent-pending Auto VPN technology automatically tunnels, hole punches, sets up route tables, and establishes the IPsec connections, completely eliminating the complexity seen in traditional site-to-site VPN solutions.

Application-aware traffic shaping

The Z-Series includes an integrated layer 7 packet inspection, classification, and control engine, enabling you to set QoS policies based on traffic type. Prioritize your mission critical applications like VoIP or remote desktop, while setting limits on recreational traffic, e.g., peer-to-peer and video streaming.



APPLICATION VISIBILITY AND CONTROL

Simple, powerful security from end to end

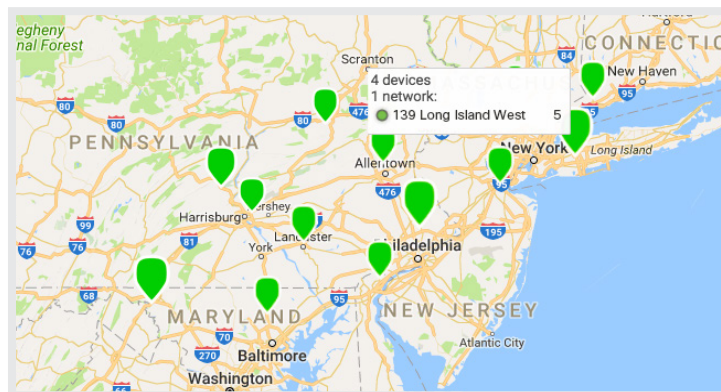
With end-to-end VPN encryption, corporate data is always protected. Additionally the Meraki Z-series supports 802.1x wired port authentication, offering network and endpoint security no matter where the gateway may be deployed

Self-configuring, self-optimizing, self-healing

When plugged in, the Z-Series automatically connects to the Meraki cloud, downloads its configuration, and joins your network. In case of WAN IP address changes, the Z-Series self heals by re-establishing the site-to-site VPN tunnels using the new IP address. Also, if a supported SIM card is installed or a 3G/4G modem is connected and primary WAN uplink connectivity fails, the Z-Series will automatically failover to cellular.

Industry-leading cloud management

Meraki's award-winning cloud management architecture unifies WAN, LAN, and wireless management under a web based dashboard, and scales easily from small deployments to large, multi-site deployments with tens of thousands of devices. The Meraki dashboard provides intuitive yet powerful role-based administration, firmware updates, configuration changes, email alerts, and easy to audit change logs.



MULTI-SITE MANAGEMENT VIA THE MERAKI CLOUD

Specifications

Performance

Firewall Throughput - 100 Mbps

VPN Throughput - 50 Mbps

Recommended for 5 clients or fewer

Interfaces

WAN interface: 1x GbE

LAN interfaces: 4x GbE

PoE: 1 x 802.3af enabled port

1x USB 2.0 port for 3G / 4G connectivity

1 x CAT 3 LTE modem for cellular connectivity (Z3C only)

Network and Security Services

Stateful firewall, 1:1 NAT, DMZ

Auto (site-to-site IPsec) VPN

Client VPN (IPsec L2TP), limit 2 authorized users (with Meraki-hosted authentication only)

Automatic Layer 3 failover (including VPN connections)

Application level (Layer 7) traffic analysis and shaping

Multiple WAN IP, PPPoE, NAT

VLAN support and DHCP services

802.1x wired port authentication

Static routing

User and device quarantine

Integrated Wireless

4 SSIDs

2x 802.11a/b/g/n/ac (2.4Ghz or 5 Ghz), 2x2 MU-MIMO with 2 spatial streams

Max data rate - 1.3 Gbps

4x internal dipole antennas (gain: 3 dBi @ 2.4 GHz, 4 dBi @ 5 GHz)

WPA2-PSK authentication

Regulatory: FCC (US), IC (Canada), CE (Europe), C-Tick (Australia/New Zealand), RoHS

Monitoring and Reporting

Throughput, connectivity monitoring and email alerts

Detailed historical per-port and per-client usage statistics

Application usage statistics

Org-level change logs for compliance and change management

VPN tunnel and latency monitoring

Network asset discovery and user identification

Periodic emails with key utilization metrics

Syslog integration

LTE traffic and performance (Z3C only)

Remote Diagnostics

Live remote packet capture

Real-time diagnostic and troubleshooting tools

Aggregated event logs with instant search

Management

Managed via the web using the Meraki Cloud Controller

Single pane of glass management of wired and wireless networks

Zero-touch remote deployment (no staging needed)

Automatic firmware upgrades and security patches

Centralized policy management

Org-level two-factor authentication and single sign-on

Role based administration with change logging and alerts

Integrated Cellular (Z3C only)

LTE bands: 2, 4, 5, 13, and 17 (North America). 1, 3, 7, 8, and 20 (Worldwide*)

100 Mbps CAT 3 LTE

Additional regulatory information: PTCRB (US), RCM (ANZ, APAC), GCF (EU)

Z3 & Z3C Environmental Specifications

Power: 50W (54 V / 0.92 A), external power supply included

Operating temperature: 32°F to 104°F (0°C to 40°C)

Humidity: 5 to 95% non-condensing

Desktop or wall mount (all standard mounting hardware included)

Kensington lock hard point

Regulatory

FCC (US)

CB (IEC)

CISPR (Australia/New Zealand)

PTCRB (US)

RCM (Australia/New Zealand, Asia Pacific)

GCF (EU)

Warranty

Full lifetime hardware warranty with next-day advanced replacement included.

* Z3C not available in Japan

Included in the Box

MODEL	PACKAGE CONTENTS
Z3	1 x Z3-HW 1 x Power Adapter (power cord sold separately) 1 x Cat5 ethernet cable 1 x Mounting Kit
Z3C (North America)	1 x Z3C-HW-NA 1 x Power Adapter (power cord sold separately) 1 x Cat5 ethernet cable 1 x Mounting Kit 1 x SIM card ejector tool
Z3C (Worldwide ¹)	1 x Z3C-HW-WW 1 x Power Adapter (power cord sold separately) 1 x Cat5 ethernet cable 1 x Mounting Kit 1 x SIM card ejector tool

Ordering Guide

To place an order for an Z-Series teleworker gateway, pair a specific hardware model with a single license (which includes cloud services, software upgrades and support). For example, to order a Z3 with a 3-year license, order an Z3-HW with LIC-Z3-ENT-3YR. Lifetime warranty with advanced replacement is included on all licensed hardware at no additional cost.

MODEL	POWER	LICENSE	DESCRIPTION
Z3-HW	Includes universal power supply, power cord sold separately ²	LIC-Z3-ENT-1YR LIC-Z3-ENT-3YR LIC-Z3-ENT-5YR LIC-Z3-ENT-7YR LIC-Z3-ENT-10YR	Cisco Meraki Z3 Cloud Managed Teleworker Gateway, 1 year Enterprise License and Support Cisco Meraki Z3 Cloud Managed Teleworker Gateway, 3 year Enterprise License and Support Cisco Meraki Z3 Cloud Managed Teleworker Gateway, 5 year Enterprise License and Support Cisco Meraki Z3 Cloud Managed Teleworker Gateway, 7 year Enterprise License and Support Cisco Meraki Z3 Cloud Managed Teleworker Gateway, 10 year Enterprise License and Support
Z3C-HW-NA (Z3C with LTE North America) Z3C-HW-WW (Z3C with LTE Worldwide ¹)		LIC-Z3C-ENT-1YR LIC-Z3C-ENT-3YR LIC-Z3C-ENT-5YR LIC-Z3C-ENT-7YR LIC-Z3C-ENT-10YR	Cisco Meraki Z3C Enterprise License and Support, 1 year Enterprise License and Support Cisco Meraki Z3C Enterprise License and Support, 3 year Enterprise License and Support Cisco Meraki Z3C Enterprise License and Support, 5 year Enterprise License and Support Cisco Meraki Z3C Enterprise License and Support, 7 year Enterprise License and Support Cisco Meraki Z3C Enterprise License and Support, 10 year Enterprise License and Support
MA-PWR-CORD-US ² MA-PWR-CORD-EU MA-PWR-CORD-UK MA-PWR-CORD-AU MA-PWR-CORD-JP		-	Cisco Meraki Power Cord for Z3 and Z3C (US Plug) ² Cisco Meraki Power Cord for Z3 and Z3C (EU Plug) Cisco Meraki Power Cord for Z3 and Z3C (UK Plug) Cisco Meraki Power Cord for Z3 and Z3C (AU Plug) Cisco Meraki Power Cord for Z3 and Z3C (JP Plug)
MA-STND-1		-	Z3 and Z3C Teleworker Gateway desk stand

¹ Z3C not available in Japan

² 1 x US power cord will be automatically included with all US orders

ThunderIT for the REMC SAVE Contract

ThunderIT offers products and services for REMC SAVE contract customers at a discounted price in accordance to the REMC price list.

Overview for the REMC SAVE contract

REMC SAVE provides large volume contracts for a variety of educational resources, including furniture, school and office supplies, software and digital services, and technology.

The program saves time and money by providing bids compliant with the Michigan Revised School Code that also provides local school districts with the authority to purchase using REMC contracts. The legislation that established REMCs (Michigan Compiled Laws Act 451 Section 380.671), and State Board of Education Rules, enables REMCs to bid on behalf of local school districts and also provide local school districts with the authority to purchase using REMC contracts. All items and vendors are awarded through a sealed bid process by the REMC SAVE Bid Project and approved by the REMC Association.

REMC SAVE is provided as a project of the REMC Association of Michigan for all Michigan schools. REMC SAVE provides large-volume contracts for a variety of educational resources. By using REMC SAVE contracts, Michigan schools have saved more than \$1 billion since 1990. Every dollar saved through REMC SAVE today is one more dollar to invest in instruction tomorrow.

ThunderIT services the following REMC districts; REMC 1, REMC 2N, REMC 2C, REMC 2S, REMC 3, REMC 4, REMC 5, REMC 6, REMC 7, REMC 8, REMC 9, REMC 10, REMC 11, REMC 12W, REMC 12E, REMC 13, REMC 14W, REMC 14E, REMC 15, REMC 16, REMC 17, REMC 18S, REMC 18N, REMC 19W, REMC 19E, REMC 20, REMC 21, REMC 22

ThunderIT services the following REMC customers; AKIVA HEBREW DAY SCHOOL, BIRNEY MIDDLE SCHOOL, BUSSEY CTR-EARLY CHILDHOOD DEV, DEVRY UNIVERSITY - SOUTHFIELD – CENTRAL, HAMILTON ACADEMY CENTRAL OFFICE, LEONHARD ELEMENTARY SCHOOL, MCINTYRE ELEMENTARY SCHOOL, OAKLAND INTERNATIONAL ACADEMY

Other REMC contract holders include: Inacomp Technical Services Group, Sentinel Technologies, Software Services Group, Insight Direct USA, Information Systems Intelligence, Netech, Secant Technologies, CDW Logistics Inc (CDWG)

ThunderIT offers a variety of Solutions & Services to meet your every need

Digital Workplace

Transform your digital workplace and empower employees to drive your business forward. We deliver flexible, tailored, end-to-end solutions to keep your workforce engaged and productive. With an innovative approach centered around exceptional user experiences.

Smart Spaces

We provide smart workspace solutions to help you deliver consistent network performance and give guests, employees and students an uninterrupted experience.

Secure Network Solutions

Our security solutions help protect your network and critical data from cybersecurity threats

Safe Environments

We believe that employee, student, and customer safety is paramount in any environment. That's why our solutions provide a cloud based platform to help you intuitively manage and monitor physical locations to ensure a safe experience for everyone.

Next Generation WiFi

Power new and improved user experiences with our managed wifi solutions, offering faster speeds for enhanced application experience and more capacity for high density indoor and outdoor environments.

Remote Work Solutions

With our remote work solutions, working away from the office is no big deal. Give employees a secure, optimized connection to your entire network from anywhere.

Hybrid Workforce

We provide a seamless hybrid workforce solution that embraces change and operational scale. Give your employees and customers unrivaled experiences with a cloud platform that unifies best-in-class technologies.

Free Network Evaluation & Demo

ThunderIT offers a FREE Network Evaluation and/or product Demo to help ensure you are well informed and confident when choosing the right Cisco Meraki solution for your needs. During our call we'll architect a custom built Cisco Meraki solution for your business or environment.

Migration & Deployment

ThunderIT offers Migration and Deployment Services for your Cisco Meraki solution. Our experienced team of IT Professionals can configure, deploy and support your products to meet your needs. Our custom solutions ensure maximum efficiency and provide a clear path for your business going forward.

Managed Security

ThunderIT offers the best and most cost-effective solution to lower your risk in a heightened threat environment. Our team of certified Cisco engineers are ready to ensure that your network is secure, and your firewall is optimally configured to defend your business.

Mobile device management (MDM) Services

Our Mobile Device Management (MDM) solution unifies management of thousands of endpoint devices in a secure cloud platform, driving your organization's mobility initiatives, while maintaining an environment of agility and security.

Support & Monitoring

ThunderIT offers network support and monitoring services that are designed to fit the needs of every customer.

FAQs for the REMC SAVE Contract

Q: Does REMC SAVE meet the legal requirement for competitive bidding? A: The legislation that established REMCs (Michigan Compiled Laws Act 451 Section 380.671), and State Board of Education Rules, enables REMCs to bid on behalf of local school districts and also provide local school districts with the authority to purchase using REMC contracts. All items are competitively bid by REMC SAVE and awarded by the REMC Association.

Q: Who can Use REMC SAVE contracts? A: The following agencies are eligible to purchase using REMC SAVE contracts: PreK-12 Public, Charter (PSA) and Non-Public Schools, Community Colleges, Universities and Colleges, Public Libraries, Museums, State, County, and Local Government Agencies, Educational Non-profit Organizations and Health Care Facilities. Personal purchases at awarded bid pricing are at the discretion of the vendors.

Q: What is REMC SAVE? A: REMC SAVE is a free service of the REMC Association for all Michigan schools. There are 3 staff of REMC SAVE, and they conduct all of the bids and maintain vendor contracts. You can ask your local REMC Center questions. Find your local REMC Center by scrolling down the REMC SAVE home screen to view the map for your region or look up by zip code.

Q: How do I provide feedback? A: Your local REMC SAVE contact will always listen to any feedback you wish to provide. If you have feedback about the product, scroll down the home screen at remcsave.org and click 'View All Vendors' and you can complete a vendor evaluation form.

Q: What if my company wishes to become an awarded vendor? A: Go to vendorcenter.remcbids.org and create an account by clicking Login or Register in the upper right corner. Follow the directions! The only requirement is that you need five Michigan K12 school references. Customers can send their vendor recommendations to their local REMC contact or email remcsave@remc.org

Q: How are the vendors and products selected? A: Products and Vendors are awarded through a competitive bid process. REMC SAVE staff analyzes all bids and make recommendations to the REMC SAVE Advisory Committee for award. Once the REMC SAVE Advisory Committee votes on the award recommendations, they are then voted on by the REMC Association Board of Directors for final award.

Q: Where do I send my order or contact an awarded vendor? To contact vendors, navigate to the vendor listing by scrolling down the home screen and click 'view all vendors,' or navigate to <https://www.remcsave.org/vendors>. Click on the vendor name to find their contact information.

Q: What do I need to include on my purchase order? Please make sure your purchase order is itemized and includes the REMC item number, the model number/name, the reseller product number (if available), the quantity of each item to be purchased, and the unit price. A quote may be attached, but the purchase order should still be itemized. Sometimes the item numbers for the warranties, accessories, and upgrades are located on the spec sheet, linked from the awarded item page – be sure to include on the Purchase Order.