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.

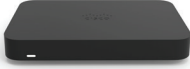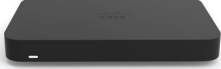### Z-Series and Meraki Cloud Management: A Powerful Combo

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

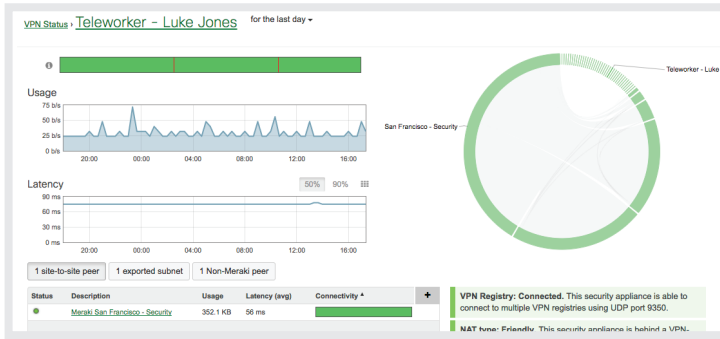Desk Stand (sold separately)

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.
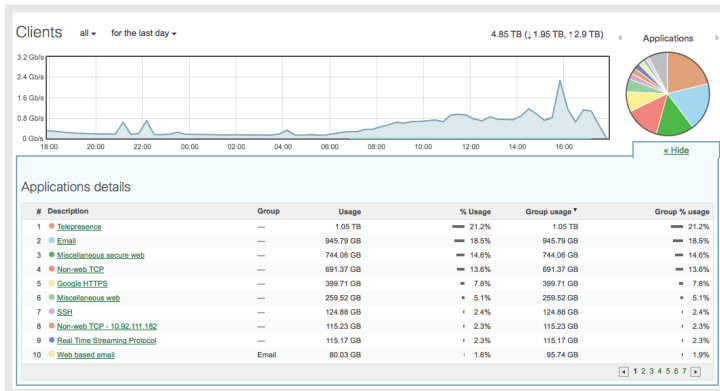
APPLICATION VISIBILITY AND CONTROL

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.
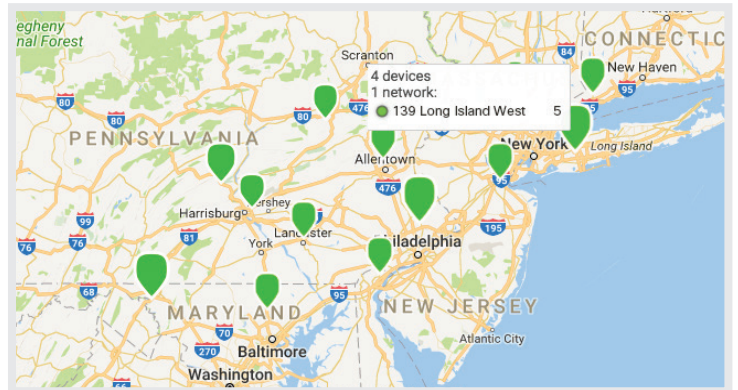
MULTI-SITE MANAGEMENT VIA THE MERAKI CLOUD

3

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 seperately) 1 x Cat5 ethernet cable 1 x Mounting Kit
Z3C *(North America)*	1 x Z3C-HW-NA 1 x Power Adapter (power cord sold seperately) 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 seperately) 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 seraptely[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