Meraki Z1
Teleworker Gateway

Cloud-managed teleworker gateway with built-in wireless

The Meraki Z1 is an enterprise class firewall / VPN gateway with five Gigabit Ethernet ports and a dual-radio 802.11n wireless. The Z1 extends the power of the Meraki cloud managed networking to employees, IT staff, and executives working from home.

Using the patent-pending Meraki Auto VPN, administrators can deploy network services including VoIP and remote desktop (RDP) to remote employees with a single-click, provide wired and wireless access, and increase end-user productivity through Layer 7 traffic shaping.

The Z1 features a fully-fledged stateful firewall, support for multiple VLANs, inter-VLAN routing, and isolation to segregate corporate data from recreational traffic. In addition, the Z1 is packed with advanced 802.11n technologies including MIMO, beam forming, and channel bonding to provide reliable and high speed network access for most demanding business applications.

**Z1 and Meraki Cloud Management: A Powerful Combo**
The Z1 is managed via the Meraki cloud, with an intuitive browser-based interface. Since the Z1 is self-configuring and managed over the web, you can deploy the Z1 at remote locations without any assistance from end-users.

The Z1 is monitored 24x7 and delivers real-time alerts if your network encounters problems. Remote diagnostics tools enable real-time troubleshooting through any web browser. New features, bug fixes, and enhancements are delivered seamlessly over the web, so you never have to manually download software updates or worry about missing security patches.

Product Highlights

- 4 GbE ports for printers, phones and other wired devices

- Patent-pending Auto VPN for site-to-site VPN connectivity

- Layer 7 application traffic shaping and prioritization

- Layer 3 firewall to separate corporate data from personal traffic

- Dual-concurrent 802.11n radios, up to 600 Mbps data rate

- Up to 4 SSIDs with integrated enterprise security and personal / guest access

- Self-configuring, plug-and-play deployment

- Ideal for telecommuters using VoIP and remote desktop (RDP)

- Sleek, low profile design

Features
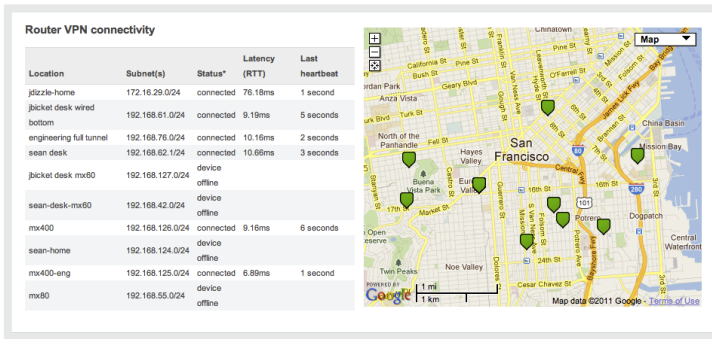
AUTO CONFIGURING SITE-TO-SITE VPN

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.

Dual 802.11n radios, up to 600 Mbps data rate
The Z1 features two powerful radios and advanced RF design. Combined with 802.11n technologies including 2x2 MIMO-enhanced receive sensitivity and transmit beamforming, the Z1 delivers up to 600 Mbps data rate. The Z1 is purpose-built for accessing rich, cloud-based business applications while providing plenty of bandwidth for recreational traffic.

Application-aware traffic shaping
The Z1 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.
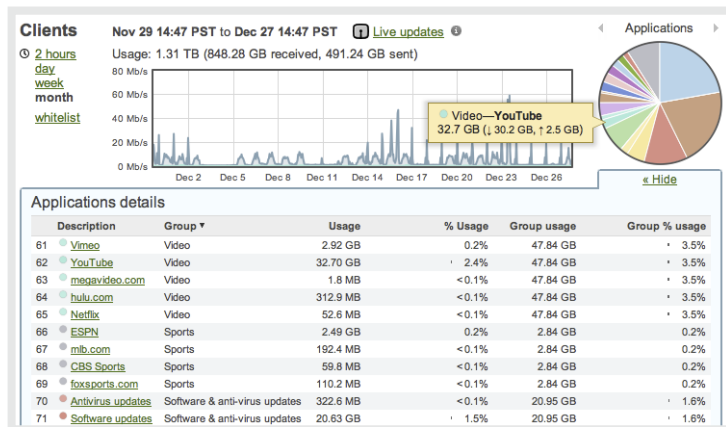

APPLICATION VISIBILITY AND CONTROL

Self-configuring, self-optimizing, self-healing
When plugged in, the Z1 automatically connects to the Meraki cloud, downloads its configuration, and joins your network. In case of WAN IP address changes, the Z1 self heals by re-establishing the site-to-site VPN tunnels using the new IP address.

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.
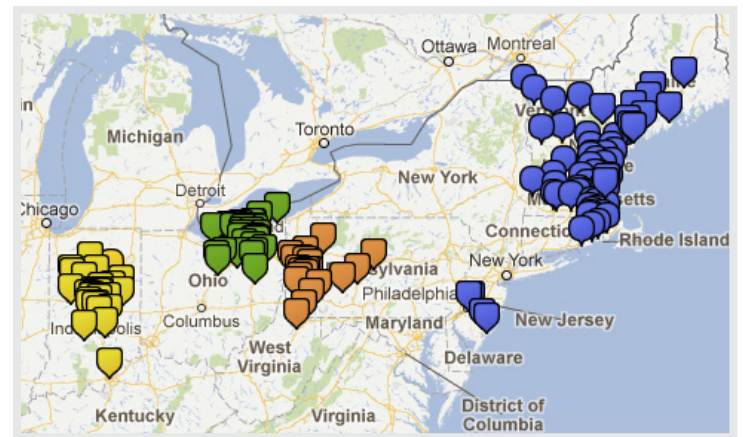
MULTI-SITE MANAGEMENT VIA THE MERAKI CLOUD

meraki

Specifications

Performance

Firewall: 50 Mbps

VPN: 10 Mbps

Recommended for 5 users or fewer

Interfaces

WAN interface: 1x GbE

LAN interfaces: 4x GbE

1x USB 2.0 port (for future 3G / 4G connectivity)

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

Static routing

User and device quarantine

Integrated Wireless

4 SSIDs

2x 802.11a/b/g/n (2.4Ghz or 5 Ghz)

Max data rate 600 Mbit/s

2x2 MIMO with 2 spatial streams, beamforming

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

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

Physical and Environmental Specifications

Dimensions: 6.46" x 4.55" x 1.14" (164 mm x 116 mm x 29 mm)

Weight: 0.9 lbs (0.408 kg)

Power: 12 V / 1.5 Amp 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)

Warranty

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

Ordering Information

Z1-HW-US	Meraki Z1 Cloud Managed Teleworker Gateway (US Plug)
Z1-HW-UK	Meraki Z1 Cloud Managed Teleworker Gateway (UK Plug)
Z1-HW-EU	Meraki Z1 Cloud Managed Teleworker Gateway (EU Plug)
Z1-HW-AU	Meraki Z1 Cloud Managed Teleworker Gateway (AU Plug)
LIC-Z1-ENT-1YR	Meraki Z1 Enterprise License and Support, 1 Year
LIC-Z1-ENT-3YR	Meraki Z1 Enterprise License and Support, 3 Years
LIC-Z1-ENT-5YR	Meraki Z1 Enterprise License and Support, 5 Years
LIC-Z1-ENT-7YR	Meraki Z1 Enterprise License and Support, 7 Years
LIC-Z1-ENT-10YR	Meraki Z1 Enterprise License and Support, 10 Years