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Z4 Datasheet

Overview

The Cisco Meraki Z4 teleworker gateway is an enterprise class firewall, VPN gateway and router. This device offers wireless connectivity with WiFi6, five gigabit ethernet ports, including a built-in PoE-enabled port for VoIP phones and other PoE powered devices. The Z4 is designed to securely extend the power of Meraki cloud managed networking to almost any location.

Features

- Managed via Cisco Meraki Dashboard

- Automatic Firmware upgrades

- L3/L7 Stateful Firewall

- 1:1 and 1:Many NAT

- Configurable VLANs / DHCP support

- Static Routing

- Client VPN endpoint

- Meraki AutoVPN and L2TP/IPSec VPN endpoint

- Custom Traffic Shaping

- Historical Client Usage statistics

- Netflow support

- Syslog integration

- Remote Packet Capture tools

- IPv6 Support

Hardware Features

- Built-in WiFi6 Wireless Capabilities

- Built-in PoE+ capabilities

Configure your Dashboard Network

The following is a brief overview only of the steps required to add an Z4 to your network. For detailed instructions about creating, configuring and managing Meraki networks, refer to our Managing Dashboard Networks document. Additional resources can also be found via: documentation.meraki.com.

1. Login to http://dashboard.meraki.com. If this is your first time, create a new account.

2. Find the network to which you plan to add your Z4 or create a new network.

3. Add your Z4 to your network. You will need your Meraki order number (found on your invoice) or the serial number of each Z4, which looks like Qxxx-xxxx-xxxx, and is found on the bottom of the unit. If a license key was purchased at the same time then you should have received it via email.

4. Go to the map / floor plan view and place each Z4 on the map by clicking and dragging it to the location where you plan to mount it.

Context and Comparisons

	Z4
Single WAN Uplink	Yes
Cellular Uplink	No
Stateful Firewall Throughput	500 Mbps
Maximum VPN Throughput	250 Mbps
Security Throughput	300 Mbps
PoE Capabilities	Yes, 1x GbE RJ45 LAN Ports (802.3at)
WiFi	Dual-band 2x2 WiFi 6

Recommended use case   Up to 5 devices

Technical Breakdown

WAN Interface

Z4

1x Dedicated GbE RJ45

LAN Interface

Z4

4x Dedicated GbE RJ45

802.11 Wireless Interface

Z4

Radio Information   802.11a/b/g/n/ac/ax 2.4 or 5Ghz) 2x2 MU-MIMO

Antennas   2 x 2 MU-MIMO with two spatial streams

Maximum Data Rate   1.5 Gbps*

ⓘ * Refers to maximum over-the-air data frame rate capability of the radio chipset, and may exceed data rates allowed by IEEE 802.11ax operation.

Throughput and Capabilities

	Z4
Recommended Use Case	Up to 5 devices
Max Stateful Firewall Throughput in NAT mode	500 Mbps
Max VPN Throughput	250 Mbps

Physical

	Z4
Mount Type	Desktop / Wall Mount
Dimensions (h x d x w)	7.25 x 4.84 x 1.10 in / 184.2 x 123 x 28 mm
Weight	0.86 lbs / 0.391 kg
Power Supply	50W DC
Power Load (idle/max)	11W / 42W
Operating Temperature	32°F - 113°F 0°C - 45°C
Humidity	5% to 95%

Accessories

Accessory	Description

MA-PWR-50WAC	Meraki MX Replacement Power Adapter (Z4) (50 Watts AC)
MA-PWR-CORD-US	1x AC Power Cable, US plug
MA-PWR-CORD-EU	1x AC Power Cable, EU plug
MA-PWR-CORD-UK	1x AC Power Cable, UK plug
MA-PWR-CORD-AU	1x AC Power Cable, AU plug

Troubleshooting

Common Event Log Messages

There are currently no Z4 specific Event Log entries, for more general information about navigating the Event Log and the types of Events that could be expected please check out our Event Log documentation.