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## Z4 Datasheet

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### 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.



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### 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

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## Hardware Features

- Built-in WiFi6 Wireless Capabilities
- Built-in PoE+ capabilities

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## Context and Comparisons

### Z4

<b>Single WAN Uplink</b>	Yes
<b>Cellular Uplink</b>	No
<b>Stateful Firewall Throughput</b>	500 Mbps
<b>Maximum VPN Throughput</b>	250 Mbps
<b>Security Throughput</b>	300 Mbps
<b>PoE Capabilities</b>	Yes, 1x GbE RJ45 LAN Ports (802.3at)
<b>WiFi</b>	Dual-band 2x2 WiFi 6
<b>Recommended use case</b>	Up to 15 devices

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# Technical Breakdown

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## WAN Interface

**Z4**

1x Dedicated GbE RJ45

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## LAN Interface

**Z4**

4x Dedicated GbE RJ45

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## 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\*

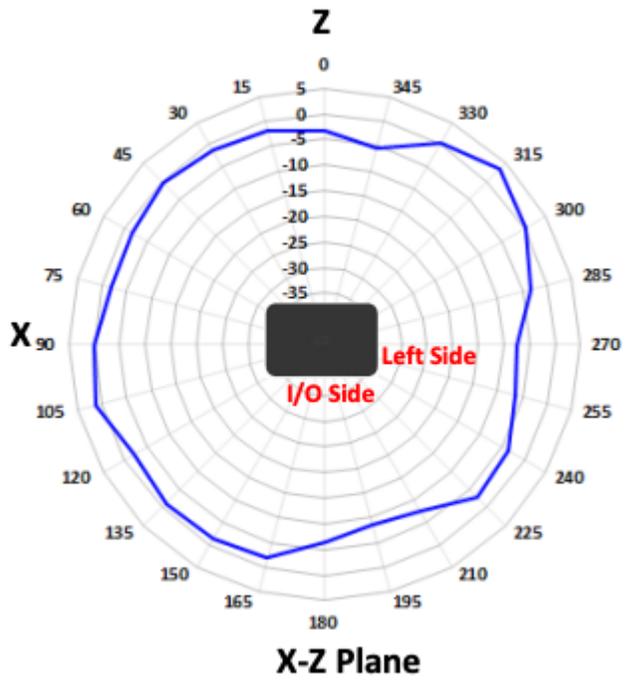
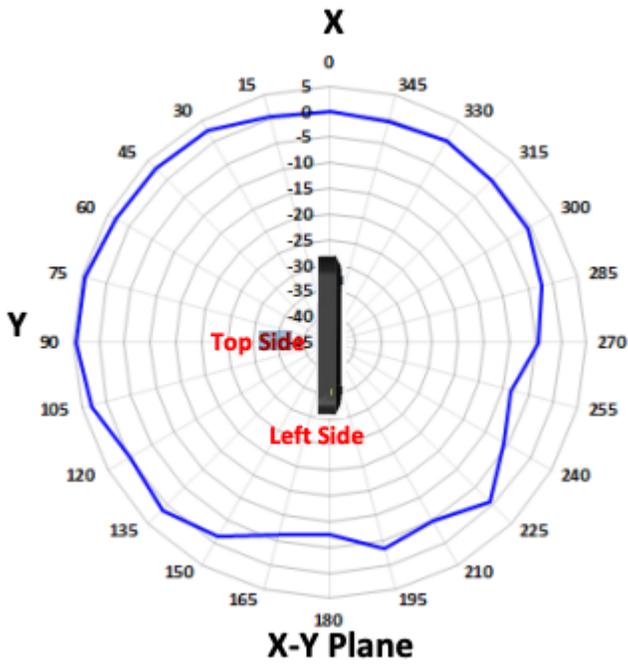


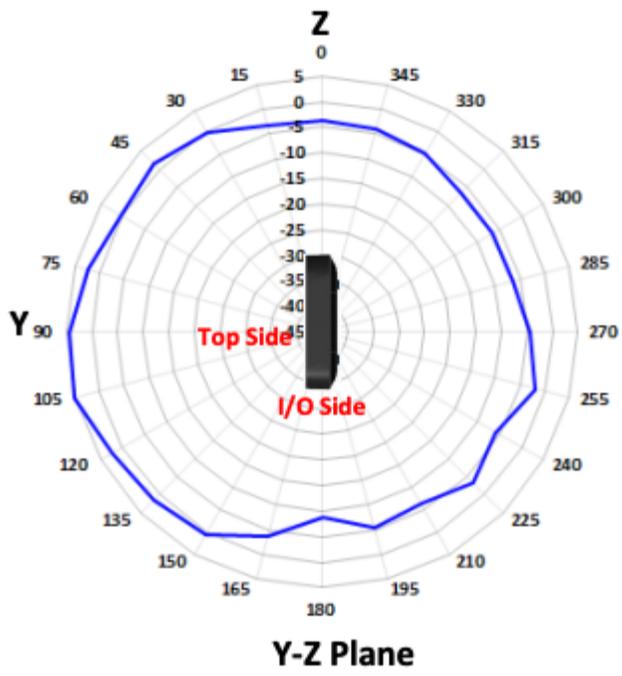
\* Refers to maximum over-the-air data frame rate capability of the radio chipset, and may exceed data rates allowed by IEEE 802.11ax operation.

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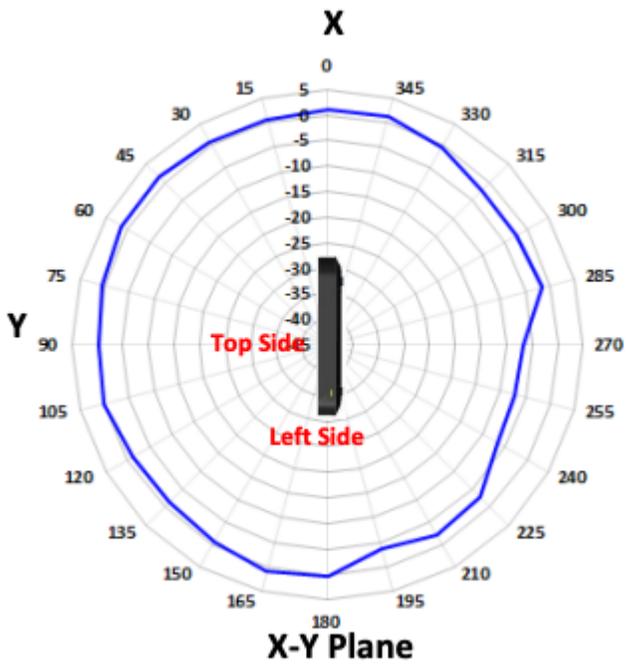
## Signal Coverage Patterns

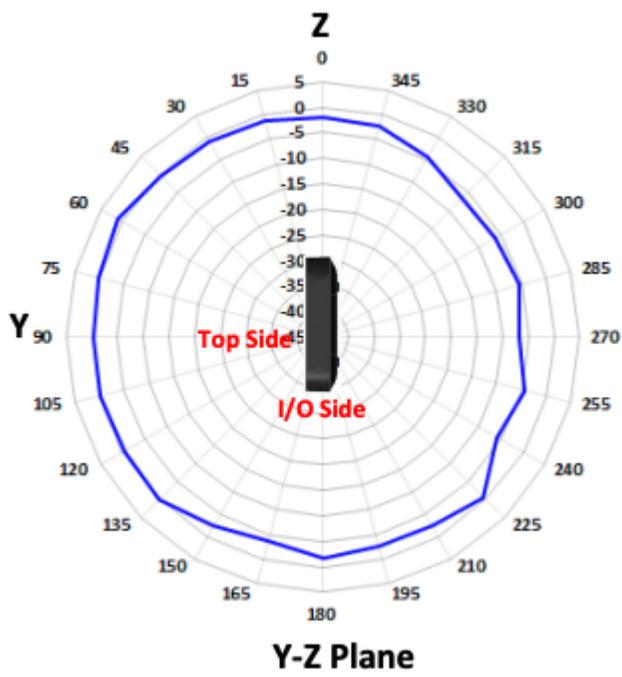
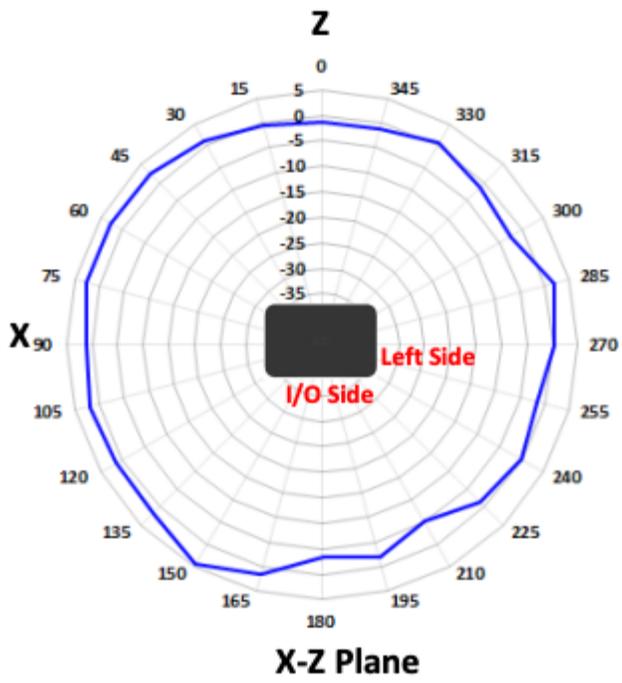
# 5GHz WiFi





2.4 GHz WiFi






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## 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

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## Physical

### Z4

**Mount Type** Desktop / Wall Mount

**Dimensions** 7.25 x 4.84 x 1.10 in /

**(h x d x w)** 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%

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## Ordering Guide

Model SKU	Description
Z4-HW	Meraki Z4 Cloud Managed Teleworker Gateway

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## Accessories

Accessory	Description
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MA-PWR-50WAC	Meraki MX Replacement Power Adapter (Z4/C) (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

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## Warranty

Z-Series warranty coverage periods are as follows:

Product	Warranty Period	Warranty Information
Z4	Lifetime	
Z4 Accessories	1 Year	The following are considered accessories: SFP Modules, all mounting kits and stands, interface modules, additional power cords

Additional warranty information can be found on the [Return Policy and Requesting a RMA](#) page of the Cisco Meraki website.

If your Cisco Meraki device fails and the problem cannot be resolved by troubleshooting, contact support to address the issue. Once support determines that the device is in a failed state, they can process an RMA and send out a replacement device free of charge. In most circumstances, the RMA will include a pre-paid shipping label so the faulty equipment can be returned.

 In order to initiate a hardware replacement for non-functioning hardware that is under warranty, you must have access to the original packaging the hardware was shipped in. The original hardware packaging includes device serial number and order information, and may be required for return shipping.

 Meraki Z4 devices have been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

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## 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.

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## Troubleshooting

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### Common Event Log Messages

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Common event logs exist for wired and WiFi events. As such, no specific Z4 event log entries are required at this time.

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](#).