Z4C Datasheet

Overview

The Cisco Meraki Z4C teleworker gateway is an enterprise class firewall, VPN gateway and router. This device offers wireless connectivity with WiFi 6, five gigabit ethernet ports, including a built-in PoE-enabled port for VoIP phones and other PoE powered devices. The Z4C is designed to securely extend the power of Meraki cloud managed networking to almost any location. With a built-in LTE modem, the Z4C simplifies any deployment that requires a backup cellular uplink, or is positioned in a remote location.

Features

Software 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 WiFi 6 Wireless Capabilities

- Built-in PoE+ capabilities

- Built-in LTE Cellular capabilities

Context and Comparisons

	Z4C
Single Wired WAN Uplink	Yes
Cellular Uplink	Yes

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
Backup Cellular Uplink	Built-in CAT12 LTE Modem
Recommended use case	Up to 15 devices

Technical Breakdown

WAN Interfaces

Z4C

1x Dedicated GbE RJ45

1x Built-in CAT12 LTE Modem

LAN Interface

**Z4C**

4x Dedicated GbE RJ45

802.11 Wireless Interface

	Z4C
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.
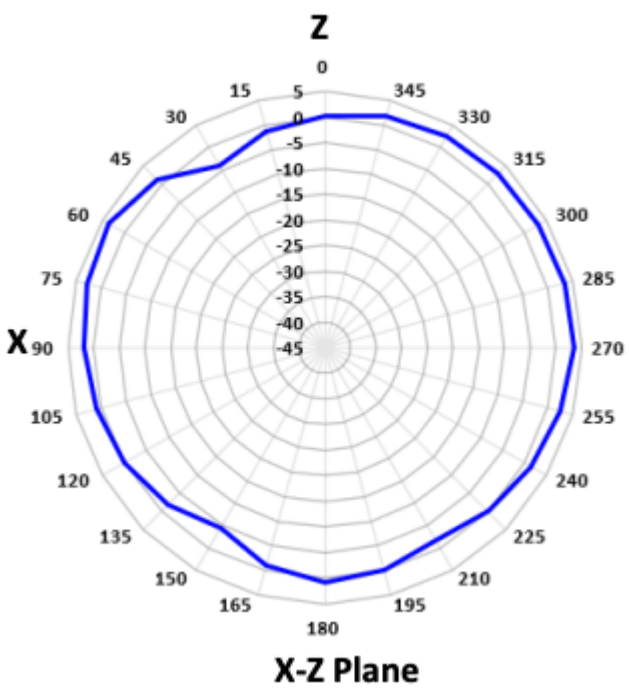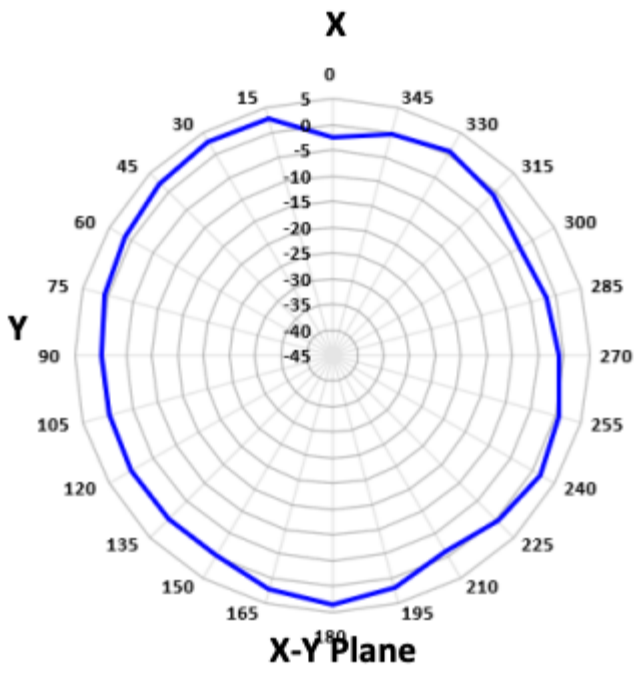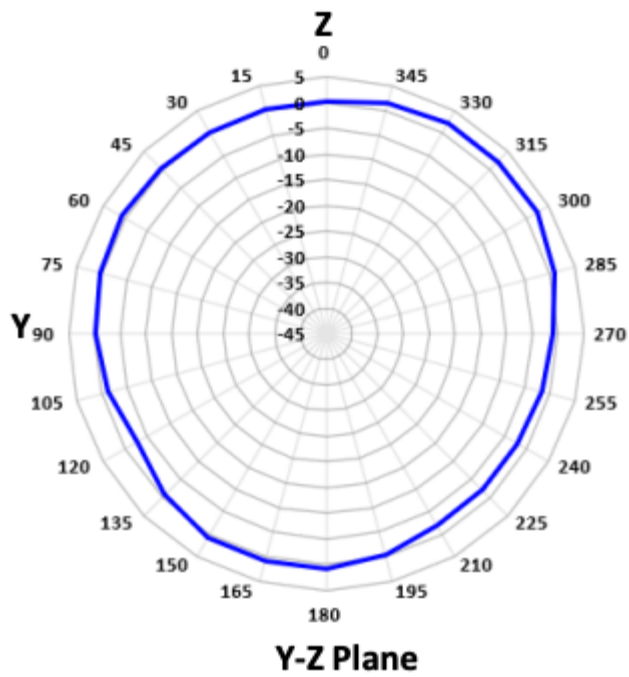
Signal Coverage Patterns

5GHz WiFi

X-Y Plane

X-Z Plane

Y-Z Plane

2.4 GHz WiFi

X

X-Y Plane

Z

X-Z Plane

Y-Z Plane
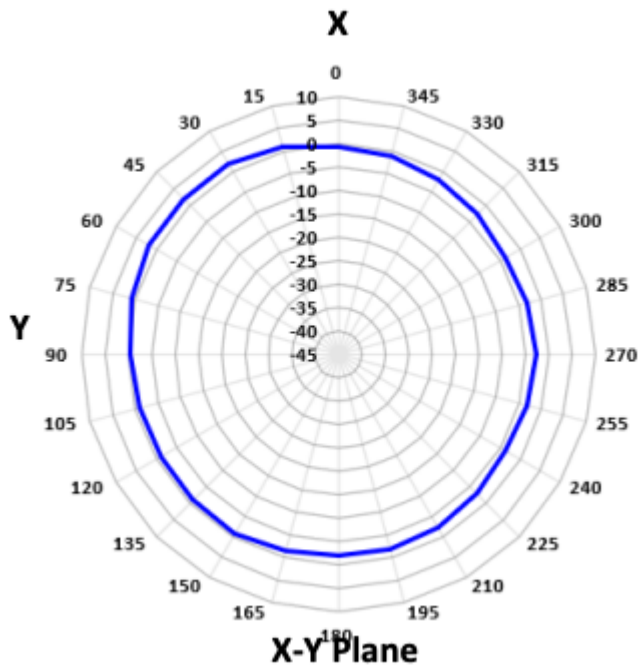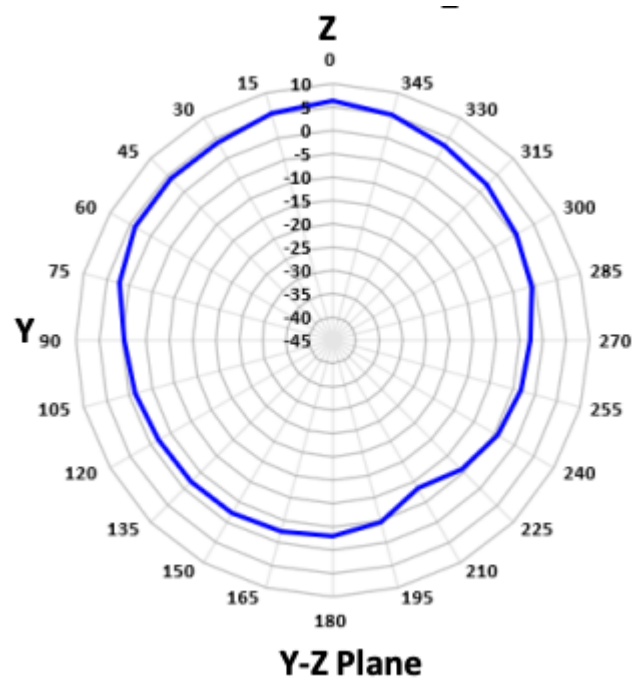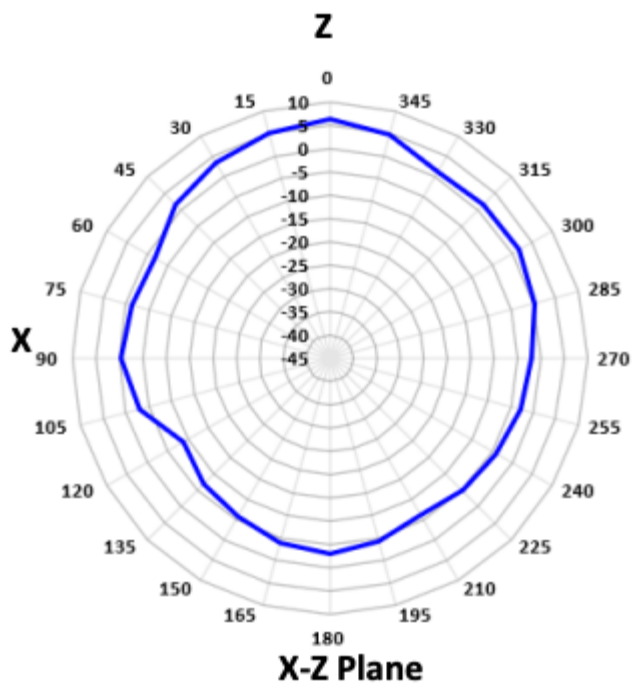
Throughput and Capabilities

	Z4C
Recommended Use Case	Up to 15 devices
Max Stateful Firewall Throughput in NAT mode	500 Mbps
Max VPN Throughput	250 Mbps

Physical

	Z4C
Mount Type	Desktop / Wall Mount
Dimensions (h x d x w)	7.9 x 4.41 x 1.04 in / 200 x 112 x 26 mm
Weight	1.1 lbs / 0.487 kg

Power Supply	50W DC
Power Load (idle/max)	15W / 46W
Operating Temperature	32°F - 113°F 0°C - 45°C
Storage and Transportation Temperature	-4°F - 158°F -20°C - 70° C
Humidity	5% to 95%

Accessories

Accessory	Description
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

Configure your Dashboard Network

The following is a brief overview only of the steps required to add an Z4C 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 Z4C or create a new network.

3. Add your Z4C to your network. You will need your Meraki order number (found on your invoice) or the serial number of each Z4C, 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 Z4C on the map by clicking and dragging it to the location where you plan to mount it.

Troubleshooting

Common Event Log Messages

Common event logs exist for wired, WiFi, and cellular events. As such, no specific Z4C 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.