Z4/Z4C Series Hardware Installation Guide

Last updated: 5.1.2.0.27

TABLE OF CONTENTS

The Z4 and Z4C are ultra-portable Wi-Fi 6 outdoor mesh extenders powered by the Meraki Z3 and Z4C series smartphones, providing seamless wireless connectivity for remote workers, temporary deployments, and hard-to-reach areas. Both models support dual-band operation and are managed through the Meraki cloud platform.

About this Guide

This guide provides instructions for installing the Z4 and Z4C series outdoor mesh extenders. The guide also includes ordering information, technical specifications, and compliance information. For more information, see the Z4 and Z4C Series Datasheet.

Product Overview

The Z4 and Z4C series are ultra-portable outdoor mesh extenders powered by the Meraki Z3 and Z4C series smartphones, respectively. The Z4 and Z4C series are ideal for temporary deployments, remote work, and hard-to-reach areas. Both models support dual-band operation and are managed through the Meraki cloud platform, providing centralized management and seamless connectivity for remote locations.

Features

- Wi-Fi 6 (802.11ax) Mesh Extender
- Meraki Mesh Capable
- Dual-band operation (2.4 GHz and 5 GHz)
- 1 x 2.5 Gigabit Ethernet
- 1 x Type-C Micro USB
- Power over Ethernet (PoE) support
- Wall Mounting
- Clock Pile Lanyard
- Power Over Ethernet (PoE) Injector
- Cable Management Clip
- Cable Tie Mounting
- Wall Mounting Kit
- Mounting Hardware
- Mesh Repeater Operation

Context and Comparisons

	Z4	Z4C
Max Supported Power Throughput (1 GHz)	250 Mbps	500 Mbps
Max VPN Throughput	250 Mbps	250 Mbps
Backup Cellular Uplink	N/A	Built-in Cellular Uplink
LAN Interface - Maximum	1x Ethernet (2.5 GHz)	1x Ethernet (2.5 GHz)
Wireless Mesh Extension	WP 5 (2.4 GHz MIMO)	WP 5 (2.4 GHz MIMO)
Antennas	2 x 2.4 GHz MIMO with two omni-directional	2 x 2.4 GHz MIMO with two omni-directional 5 GHz MIMO
Power Consumption	12 Watt	12 Watt
Mount Type	Desktop / Wall Mount	Desktop / Wall Mount
Dimensions	3.8"x 3.8" x 1.0"	3.8" x 3.8" x 1.0"
Weight	0.85 lbs / 0.385 kg	0.85 lbs / 0.385 kg
Power Supply	802.3af PD / 12V 2A	802.3af PD / 12V 2A
Power Consumption	12.W	12.W
Operating Temperature	32°F - 104 °F	32°F - 104 °F
	0°C - 40°C	0°C - 40°C
Storage and Transportation Temperature	-4°F - 158°F	-4°F - 158°F
	-20°C - 70°C	-20°C - 70°C
Humidity	10 to 85%	10 to 85%

Refer to a relevant user-facing data sheet (see specifics of the Z4C data sheet), and may associate data sheets (e.g. MR-802.11ax operation).

Cellular Interface

	Z4C
LTE	1 x 1 (B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B18, B19, B20, B25, B26, B28, B41, B42, B43, B48, B66)
Cellular Certifications	PTCRB/GCF, GSF/GSA, FCC, CE
Cellular Certifications	GSF/GSA, PTCRB/GCF, Verizon Wireless (VZW), AT&T Firstnet/FCC, Canada Firstnet
Cellular Certifications	GSF/GSA, PTCRB/GCF, Rogers, Bell, Telus, Sasktel, Saskatchewan Telecommunications, Telus Mobility, Telus Communications, Telus Wireless, Telus Communications Wireless, Telus Communications Mobility, Telus Communications Wireless, Telus Communications Mobility, Telus Communications Wireless, Telus Communications Mobility