peplink

Dome Pro LR

Supercharge Your Maritime Connectivity

LONG Range

Built for 5G

Wi-Fi 6

Wi-Fi WAN

peplink

ref: 2404 - v02

Sail Away but Stay Close and Connected

With the Dome Pro LR, maritime connectivity reaches new heights and extends over greater distances. Housing dual 5G modems and high-gain antennas to support virtually any band around the world, the Dome Pro LR achieves reliable long range outdoor connectivity with reported ranges of over **25 miles / 40 kilometers*** from the coastline.

*Range may vary depending on the deployment environment

Wi-Fi as WAN + 2x **5G** + STARLINK

VSAT

Fit Anywhere, Bond Any WAN

Use the Dome Pro LR's **Wi-Fi as WAN** support to leverage existing Wi-Fi networks for another source of connectivity.

Pair the Wi-Fi and **dual 5G connections** with an added **Starlink or VSAT link** using SpeedFusion's Bandwidth Bonding for higher reliability, or experience no more interruptions with Hot Failover.

**InControl²**

Cloud-Based Management System

SIM Injector Mini

SIM-pler Management

Gain flexibility while managing your network with ease. Connect an Ethernet cable between the Dome Pro LR and the SIM Injector or SIM Injector Mini for up to **an additional 8 physical SIMs.**

For complete accessibility and centralized remote network management, monitor your network with Peplink's cloud-based management system, **InControl 2.**


SIM Injector
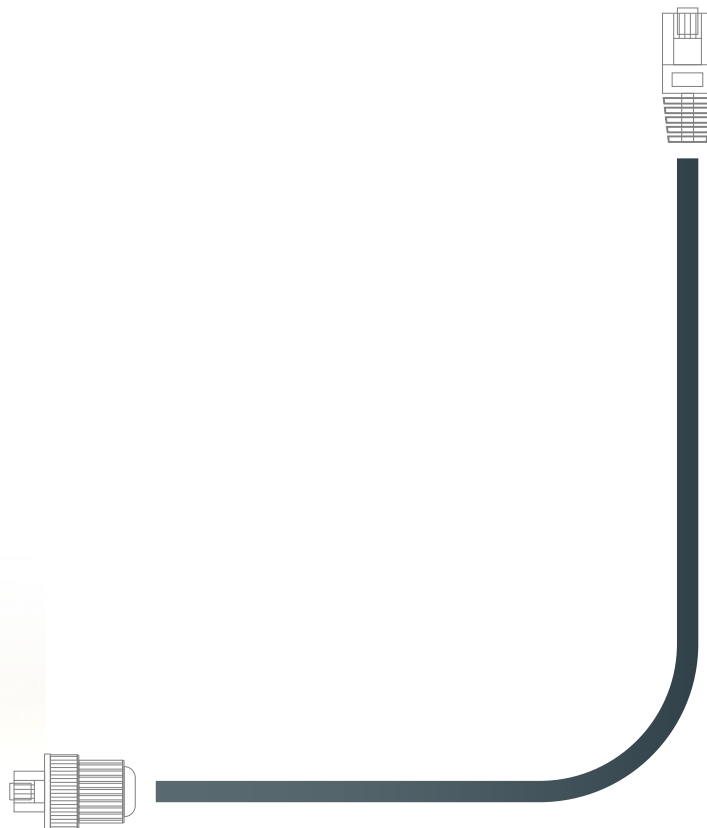
Seamless Deployment

The Dome Pro LR combines a router and integrated antennas within a single enclosure, ensuring **minimal cable loss** and **delivering optimal performance.** Additionally, powering it up is made convenient with just a single cable.

Via SIM Injector or SD Switch if the PoE output is not used.

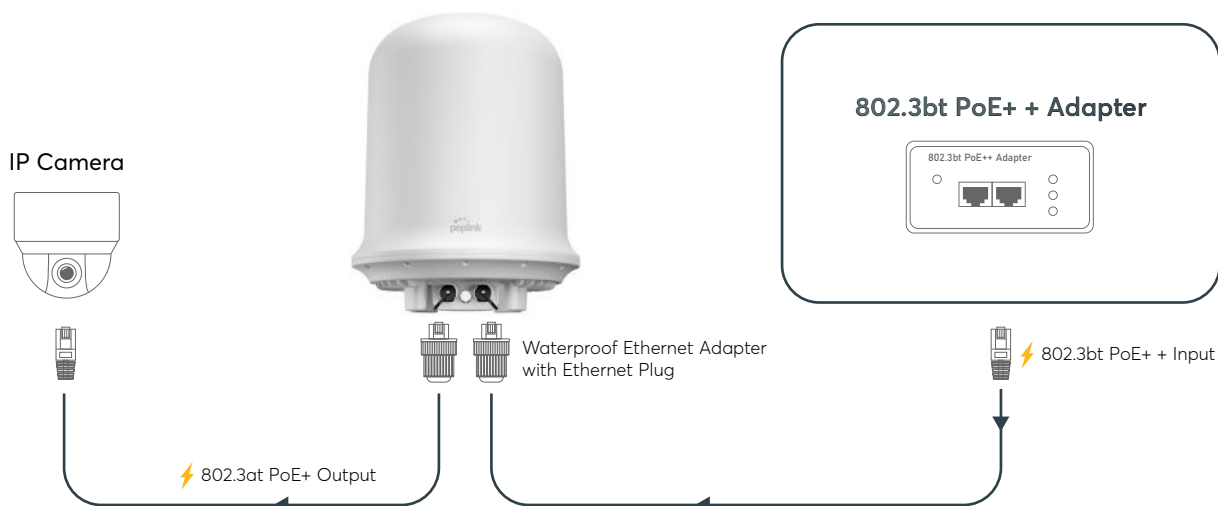Dome Pro LR

SD Switch

OR

SIM Injector

Waterproof Ethernet Adapter with Ethernet Plug

⚡ 802.3at PoE+ Input
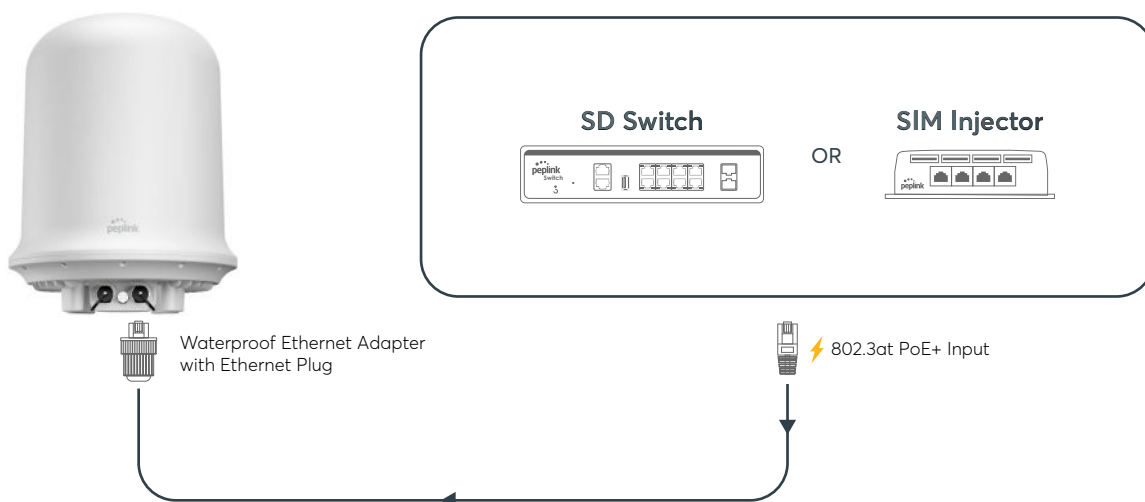
Use its PoE functionality to conveniently add Peplink PoE routers or add access points for wider Wi-Fi coverage. Alternatively, eliminate the need for additional hardware and use the Dome Pro LR's **PoE output on 802.3at** powered devices such as IP cameras.

Via 802.3bt PoE adapter if the PoE output is used.

Dome Pro LR

IP Camera

802.3bt PoE+ + Adapter

802.3bt PoE++ Adapter

Waterproof Ethernet Adapter with Ethernet Plug

⚡ 802.3bt PoE+ + Input

⚡ 802.3at PoE+ Output

Look no further than Peplink to complete your solution. The Dome Pro LR's dual Ethernet ports enable you to scale up your deployment with an **additional WAN source,** such as Starlink or VSAT.

With an additional failover WAN source.

Dome Pro LR

Starlink

Power Supply

Dual Cellular/5G WAN

Starlink WAN
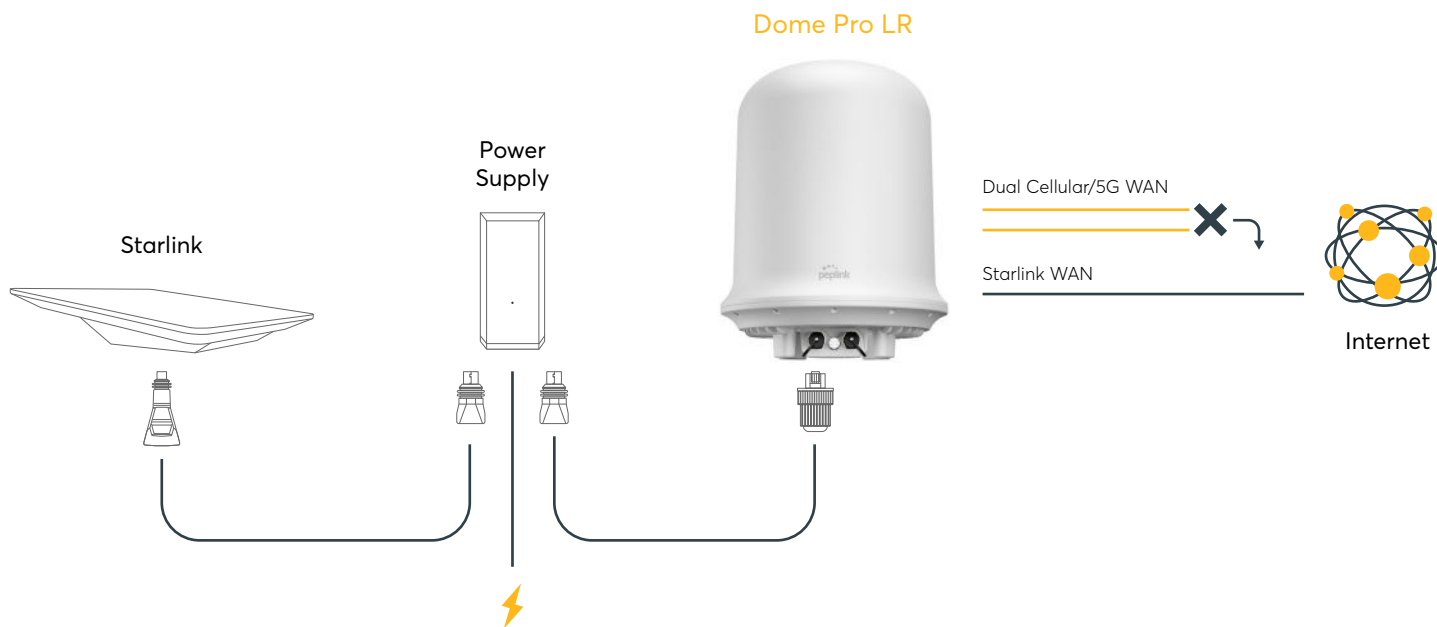
Internet

Benefits

Cost-efficient installations and improved uptime for a safer voyage

Seamless connectivity to stay in touch with family and friends

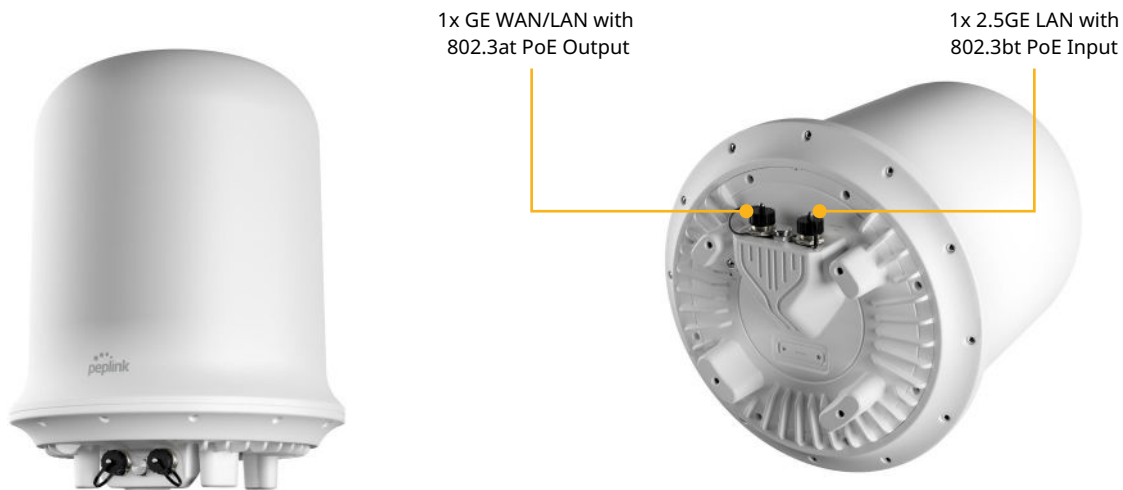24/7 internet access for uninterrupted viewing of your favorite shows

Access to functional connectivity even in the most remote rural areas

Dome Pro LR

1x GE WAN/LAN with
802.3at PoE Output

1x 2.5GE LAN with
802.3bt PoE Input

Specifications

WAN Interface	1x 10/100/1000M Ethernet 2x 5G Modems with Redundant SIM Slots	**Antenna**	8x Internal Long Range Optimized Cellular Antennas 2x Internal Wi-Fi Antennas 1x Internal GPS Antenna
LAN Interface	1x 10/100/1000/2500M Ethernet	**Power Input**	1x 802.3at PoE+ (without PoE output) / 1x 802.3bt PoE+ + (with PoE output)
Wi-Fi Interface	Simultaneous Dual-Band (2.4GHz / 5GHz) Wi-Fi 6 2x2 MU-MIMO Wi-Fi WAN and/or AP	**Power Output**	1x 802.3at PoE+
SpeedFusion Features	Hot Failover, Smoothing, Bandwidth Bonding	**Power Consumption**	24 W (max., without PoE output)
No. of SpeedFusion VPN Peers	2 / 5 [1]	**Dimension**	14.6 inches (diameter) x 18.8 inches (height) 370 mm (diameter) x 478.5 mm (height)
Router Throughput	1Gbps	**Weight**	14 pounds / 6.35kg 22 pounds / 9.98kg (With Packaging)
SpeedFusion VPN Throughput **- No Encryption** **- 256-bit AES**	 400 Mbps 200 Mbps	**Operating Temperature**	-40°– 149°F / -40°– 65°C
		Humidity	15% – 95% (non-condensing)
Recommended Users	1-150	**Certifications**	FCC, CE, RoHS EN 61000 Electromagnetic Compatibility
Cellular Data Rate [2] **(Downlink / Uplink)**	5G: 3.4 Gbps / 900 Mbps CAT-20: 1.6 Gbps / 200 Mbps	**Package Content**	Dome Pro LR 4x M8 bolts 2x Waterproof Ethernet Adapters (ACW-112)
		SIM Options	Nano-SIM (4FF) Peplink eSIM BYO eSIM (2 profiles per modem) RemoteSIM from SIM Injector FusionSIM
		Warranty	1-Year Limited Warranty

[1] Requires a PrimeCare subscription, complimentary for the first year.
[2] Maximum theoretical data rates.

Specifications are subject to change without notice.

Dome Pro LR

Ordering Information

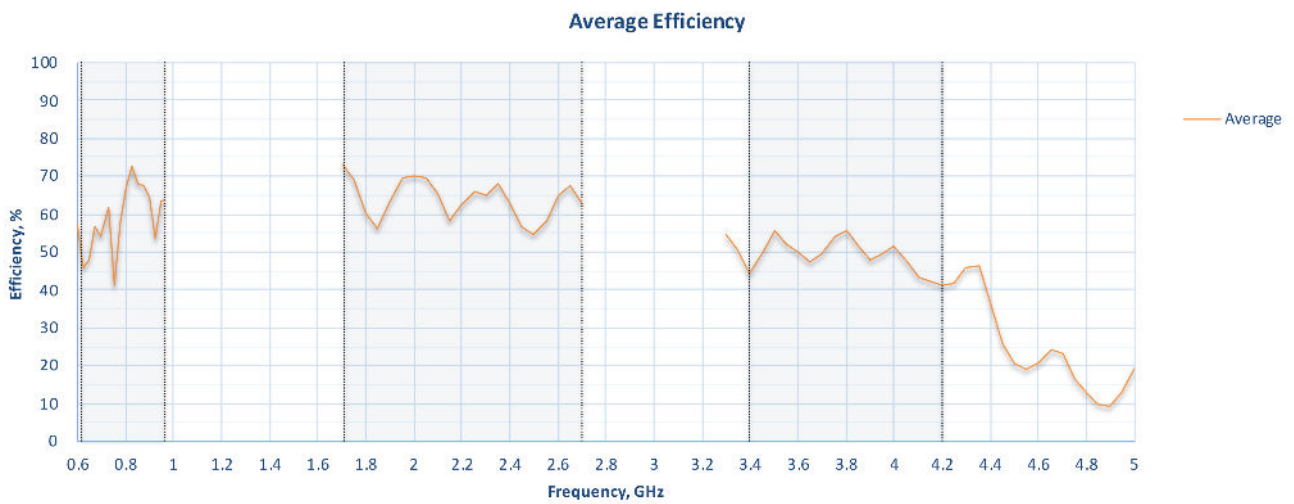| Product Code	Regions	5G Bands	LTE Bands
DOM-PRO-LR-5GN-PRM Embedded Modem(s): **2x 5G**	Global* *US Carrier Certifications: **AT&T, T-Mobile, Verizon, FirstNet**	**5G (SA & NSA) Sub 6Ghz:** n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n70, n71, n75, n76, n77, n78, n79	B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B43, B46, B48, B66, B71

Featured Add-on

Product Code	Description
PRM-P-1Y / PCP-P-1Y	PrimeCare P / PrimeCare+ P (1-Year)
PRM-P-2Y / PCP-P-2Y	PrimeCare P / PrimeCare+ P (2-Year)
PRM-P-4Y / PCP-P-4Y	PrimeCare P / PrimeCare+ P (4-Year)
SIM-BK8-4E-56V	SIM Injector
ACW-112	Waterproof Ethernet Adaptor

Dome Pro LR

Cellular Antenna Performance

Cellular Antenna Gain

Average Peak Gain
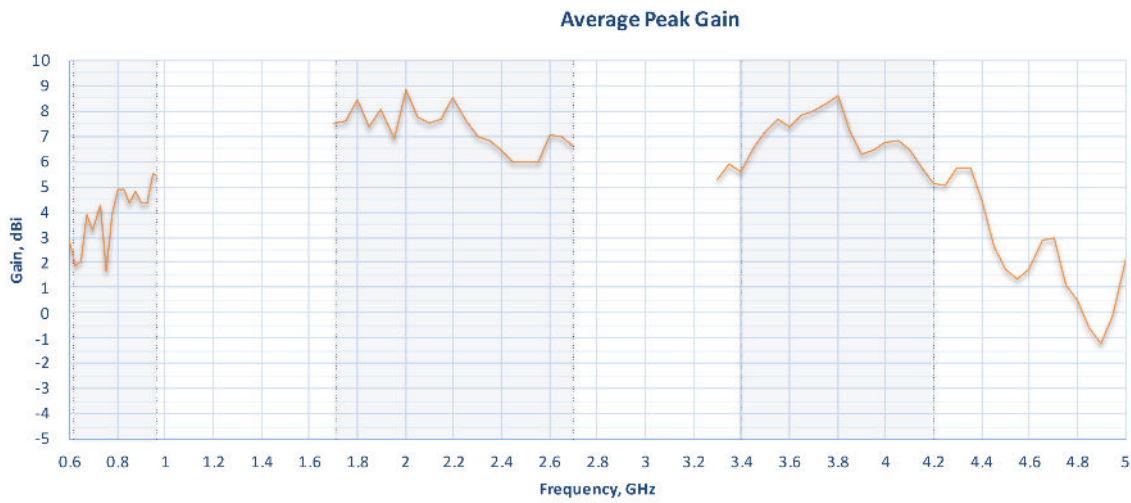
Cellular Antenna Efficiency

Average Efficiency

Dome Pro LR

Wi-Fi Antenna Performance

Wi-Fi Antenna Gain

Peak Gain
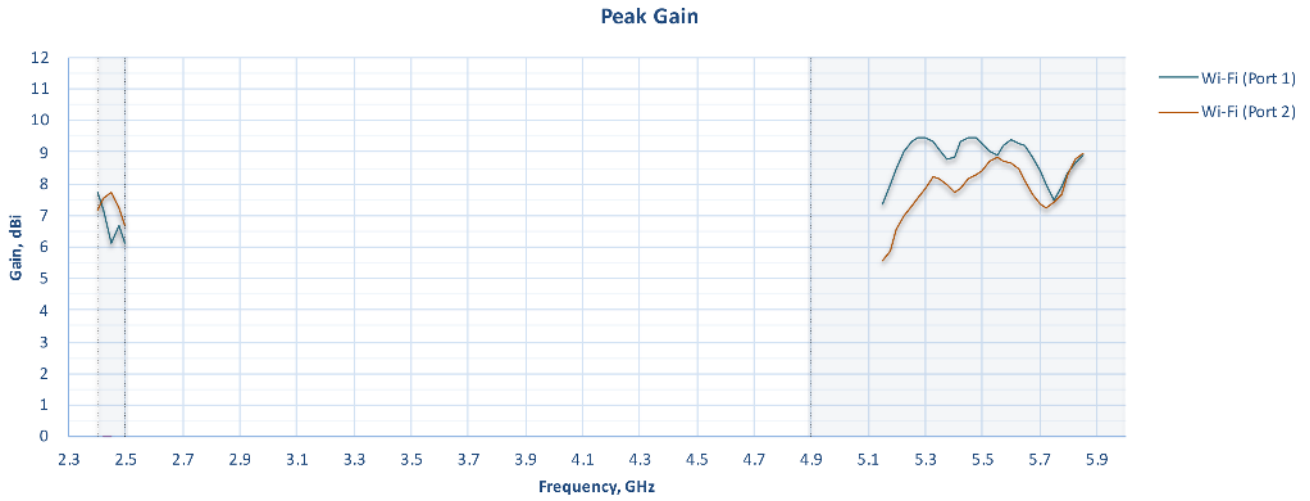
Wi-Fi Antenna Efficiency

Efficiency

Dome Pro LR

Technical Drawing

18.8"
(478.5mm)

14.6"
⌀ (370mm)

11.55"
⌀ (293.3mm)

5.67"
(144mm)

5.67"
(144mm)

4x M8

Dome Pro LR
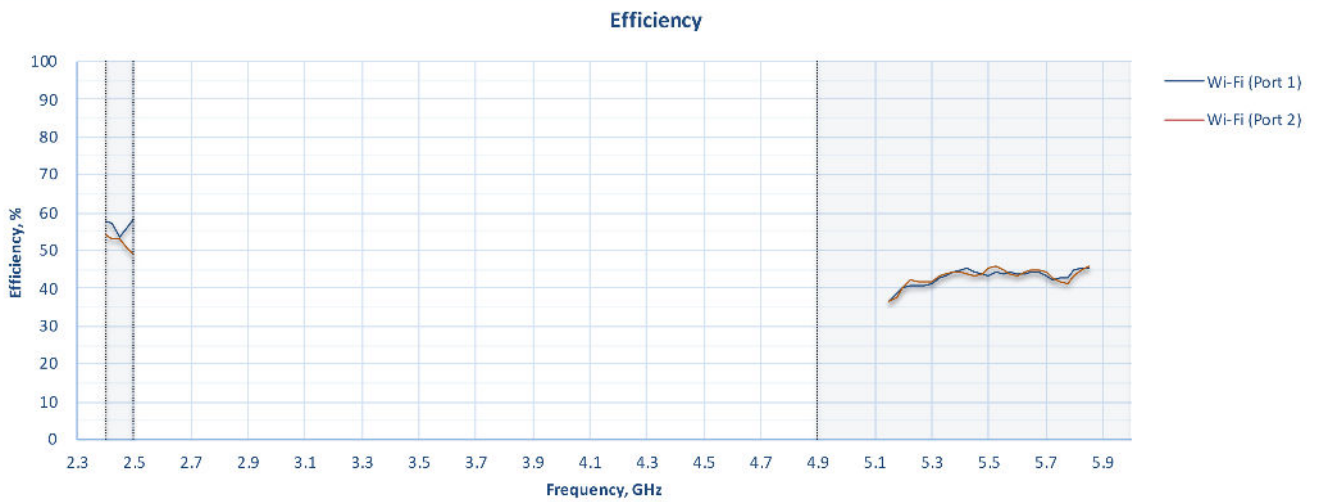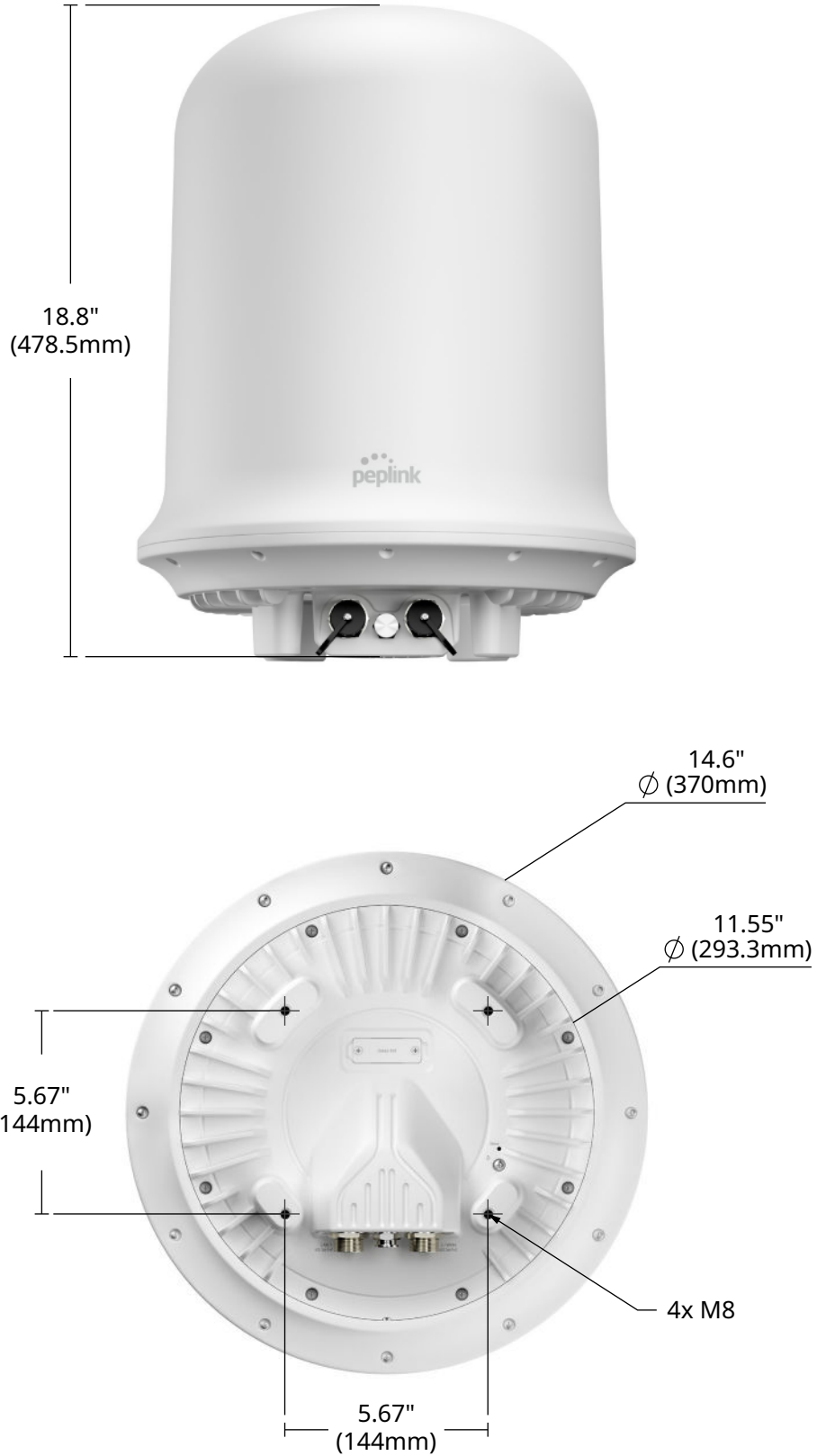
Installation Recommendation

In VSAT Dome

*Please note VSAT Dome is not provided

Step 1

Step 2

Dome Pro LR
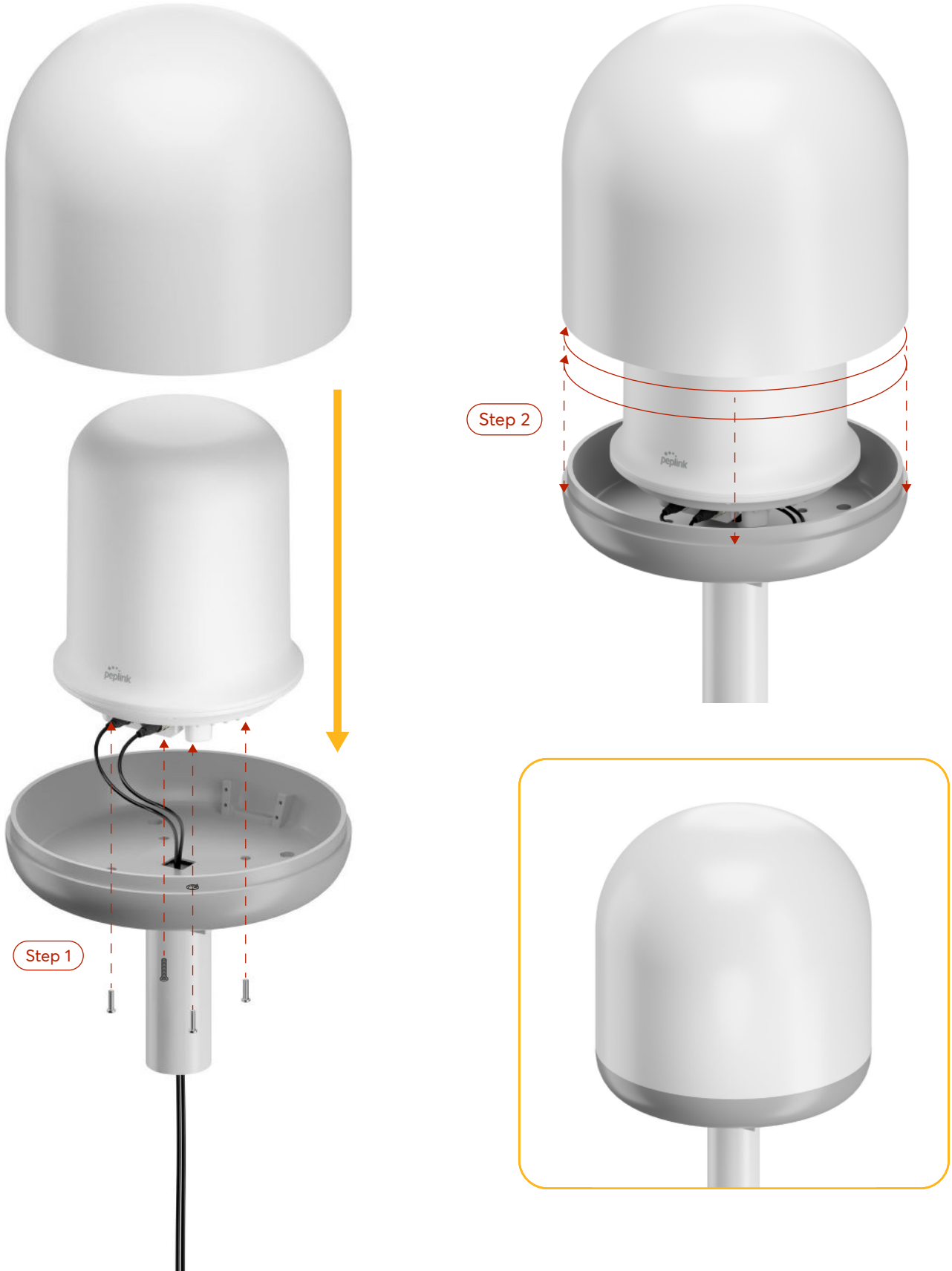
Installation Recommendation

*Please note Standard Dome Mount is not provided

5.67"
(144mm)

5.67"
(144mm)
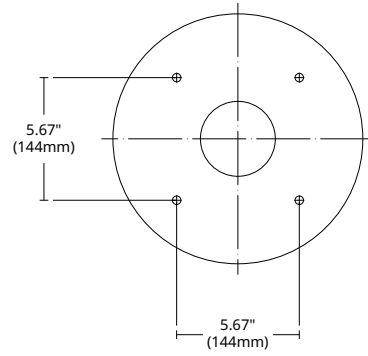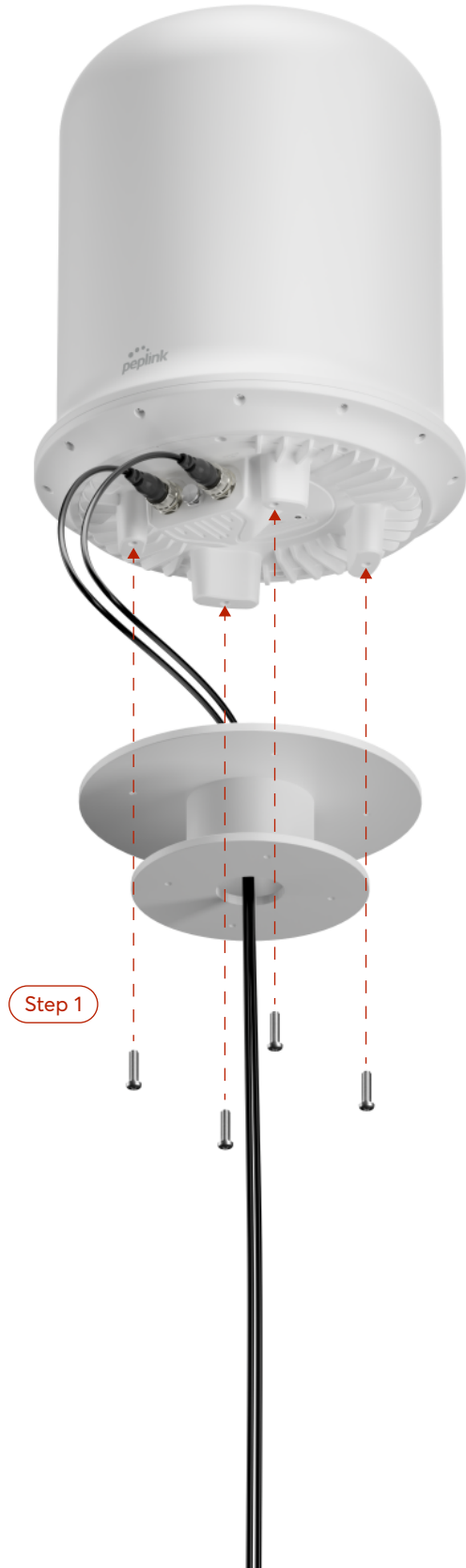
Note Standard Dome mounts can be used.

Step 1