

LONG RANGE

# Dome Pro LR

Supercharge Your Maritime Connectivity

LONG  
Range

Built for

5G



Wi-Fi 6



Wi-Fi WAN



## 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



## 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.



**InControl<sup>2</sup>**

Cloud-Based Management System



SIM Injector Mini

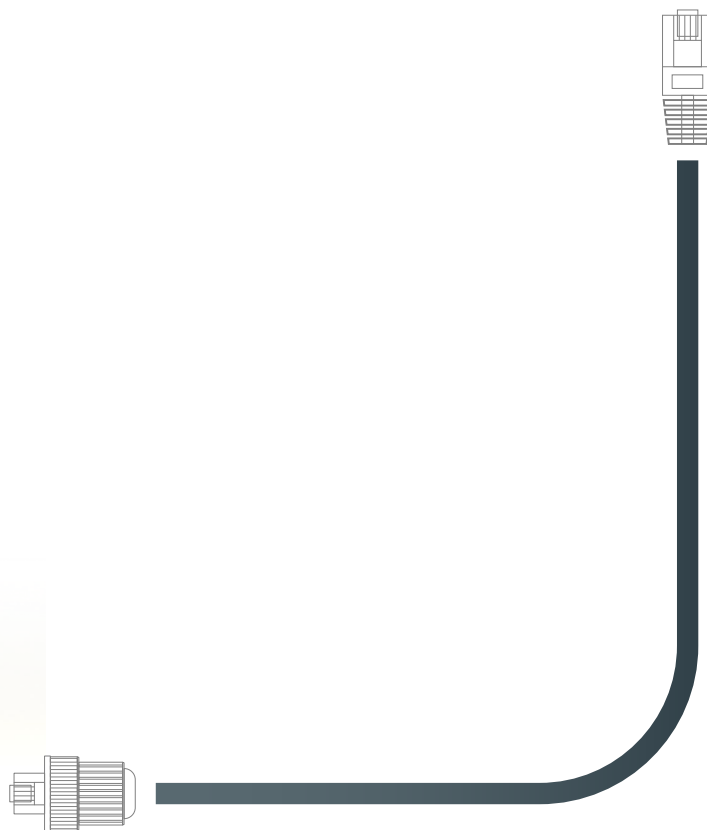


SIM Injector

## 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**.

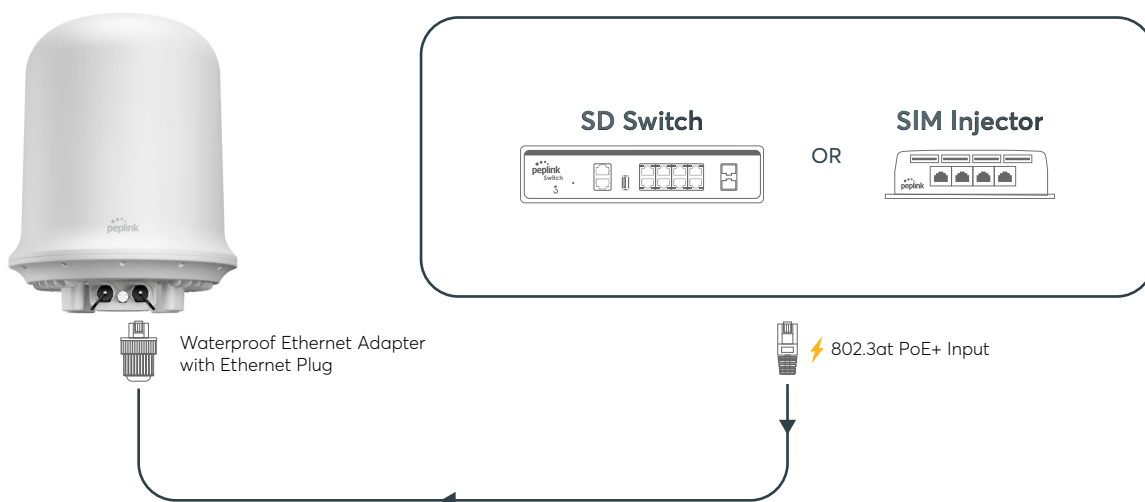


# Seamless Deployment

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.**

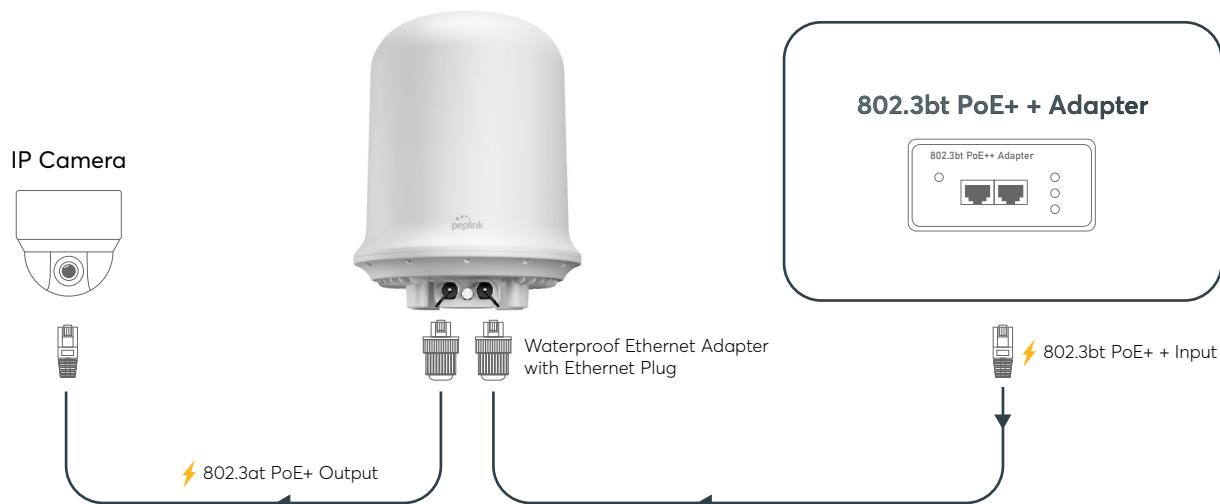
Dome Pro LR



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.

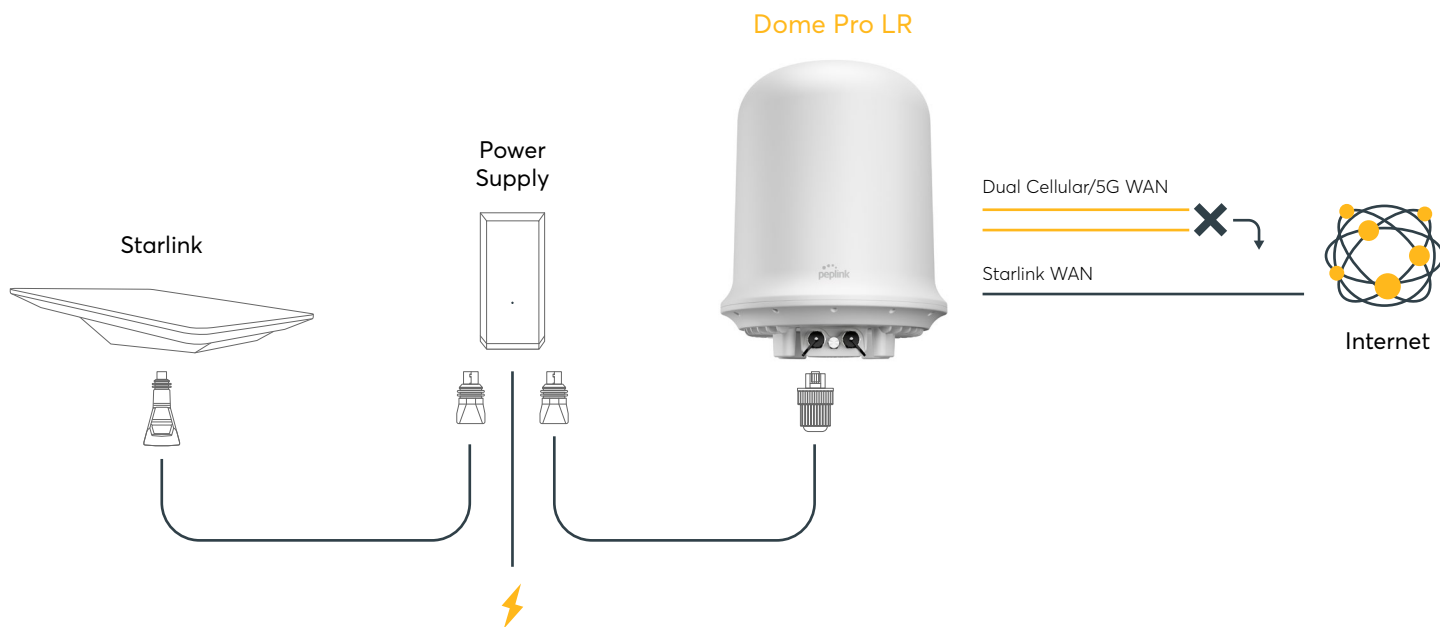
Via 802.3bt PoE adapter if the **PoE output is used.**

Dome Pro LR



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.**



## Benefits



Cost-efficient installations and improved uptime for a safer voyage



Seamless connectivity to stay in touch with family and friends

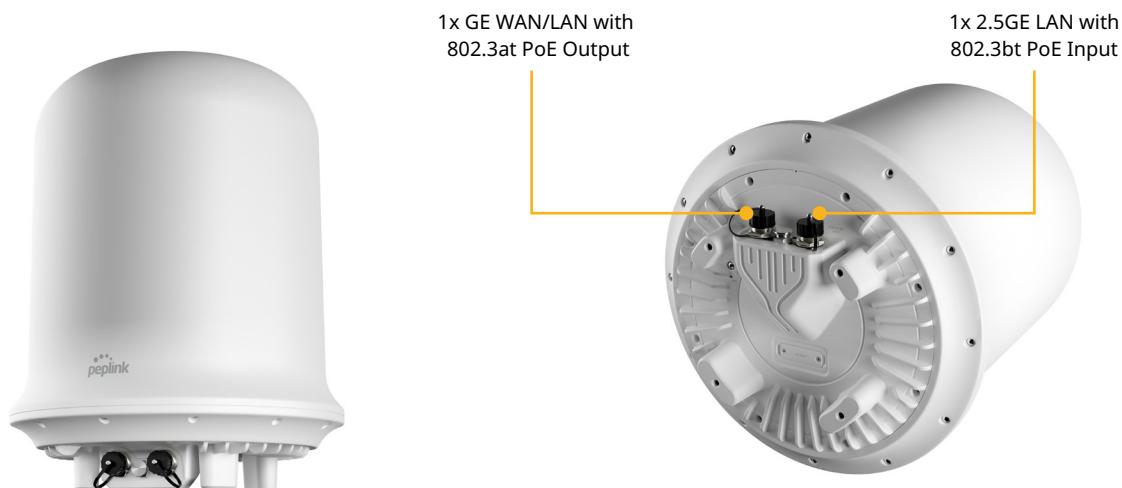


24/7 internet access for uninterrupted viewing of your favorite shows



Access to functional connectivity even in the most remote rural areas





## Specifications

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

<sup>1</sup> Requires a PrimeCare subscription, complimentary for the first year.

<sup>2</sup> Maximum theoretical data rates.

Specifications are subject to change without notice.

## 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	<b>5G (SA &amp; NSA) Sub 6Ghz:</b> 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

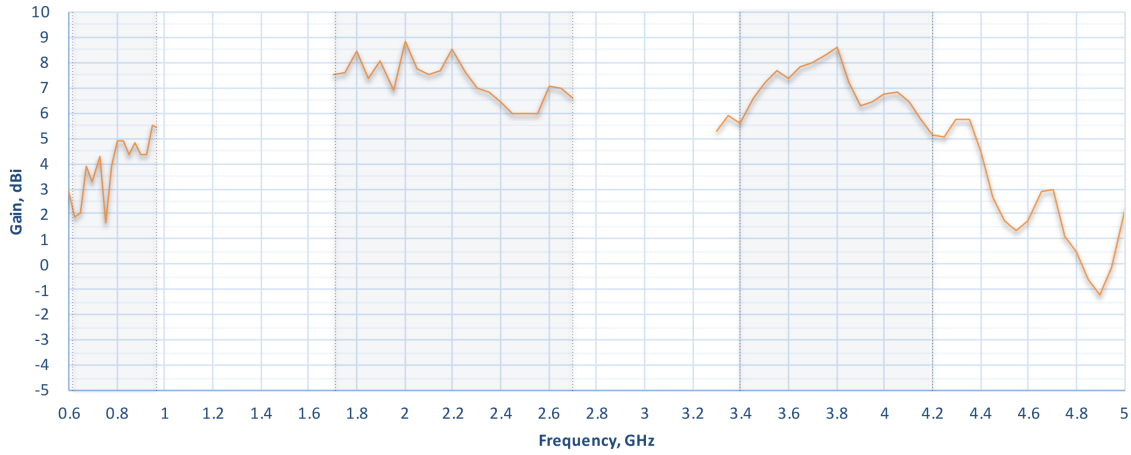
## Featured Add-on

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

## Cellular Antenna Performance

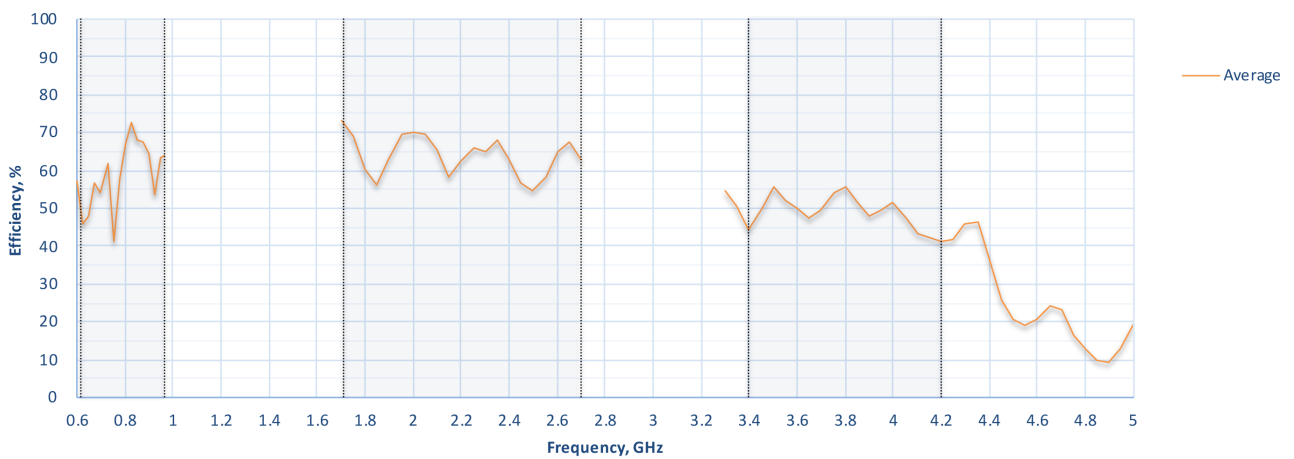
### Cellular Antenna Gain

Average Peak Gain



### Cellular Antenna Efficiency

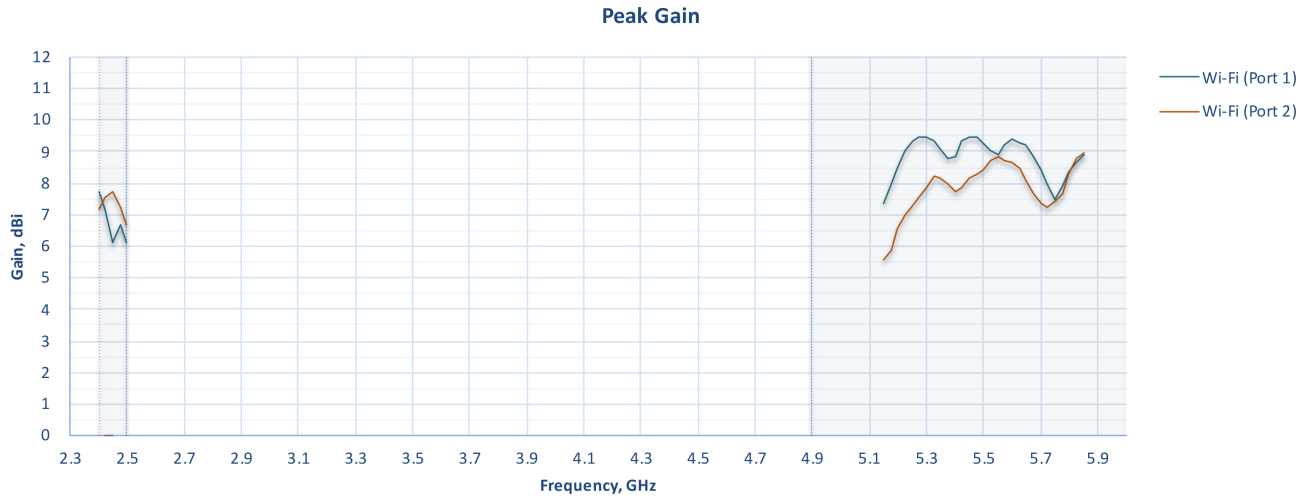
Average Efficiency



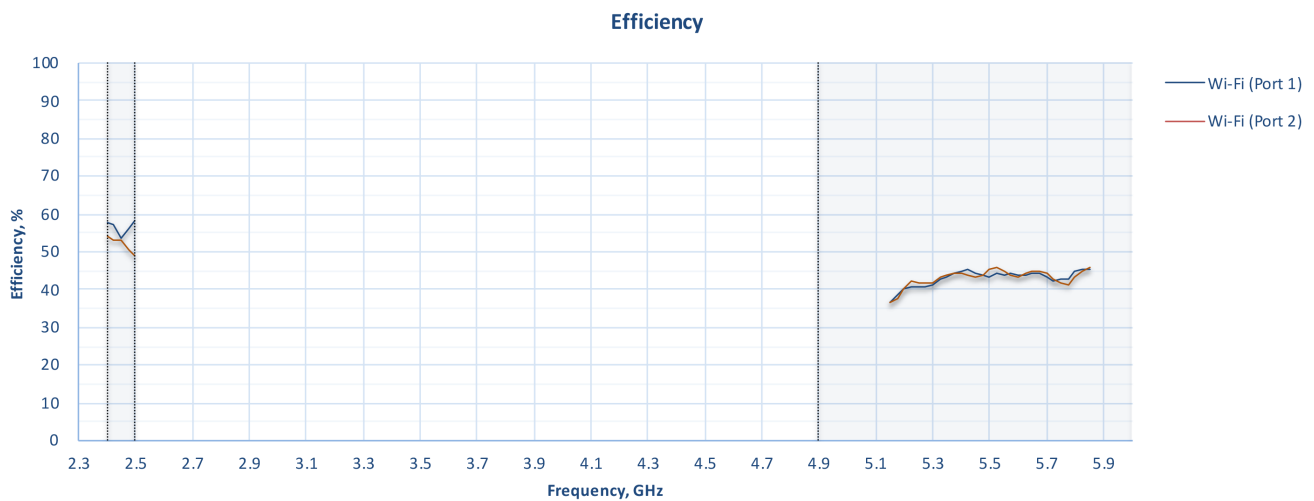


## Wi-Fi Antenna Performance

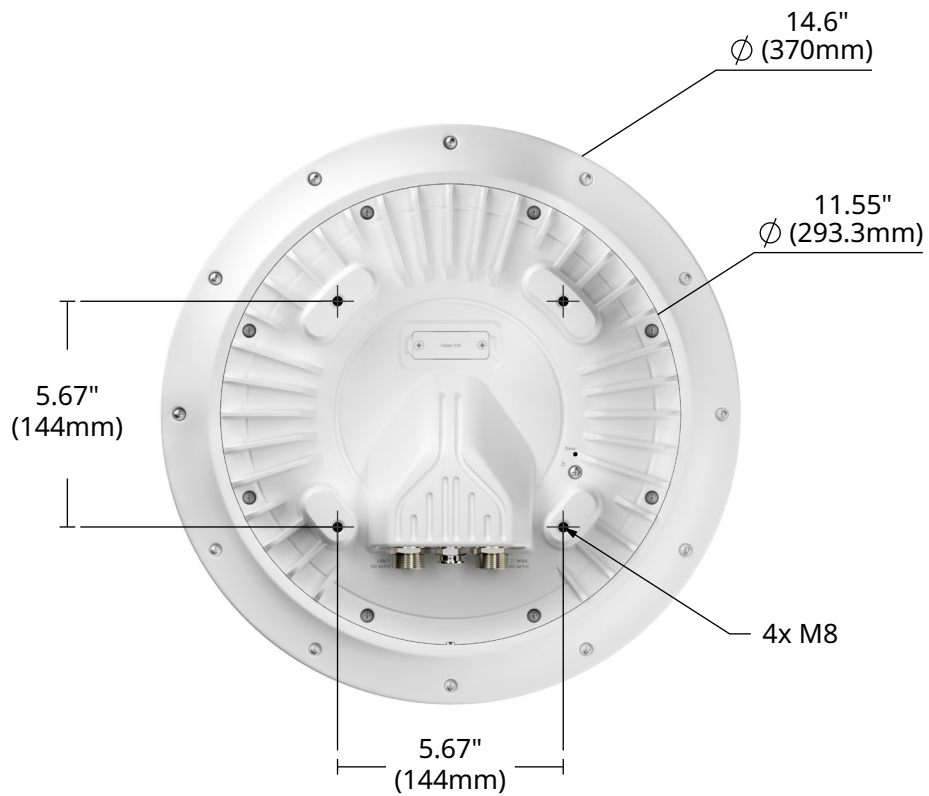
### Wi-Fi Antenna Gain



### Wi-Fi Antenna Efficiency



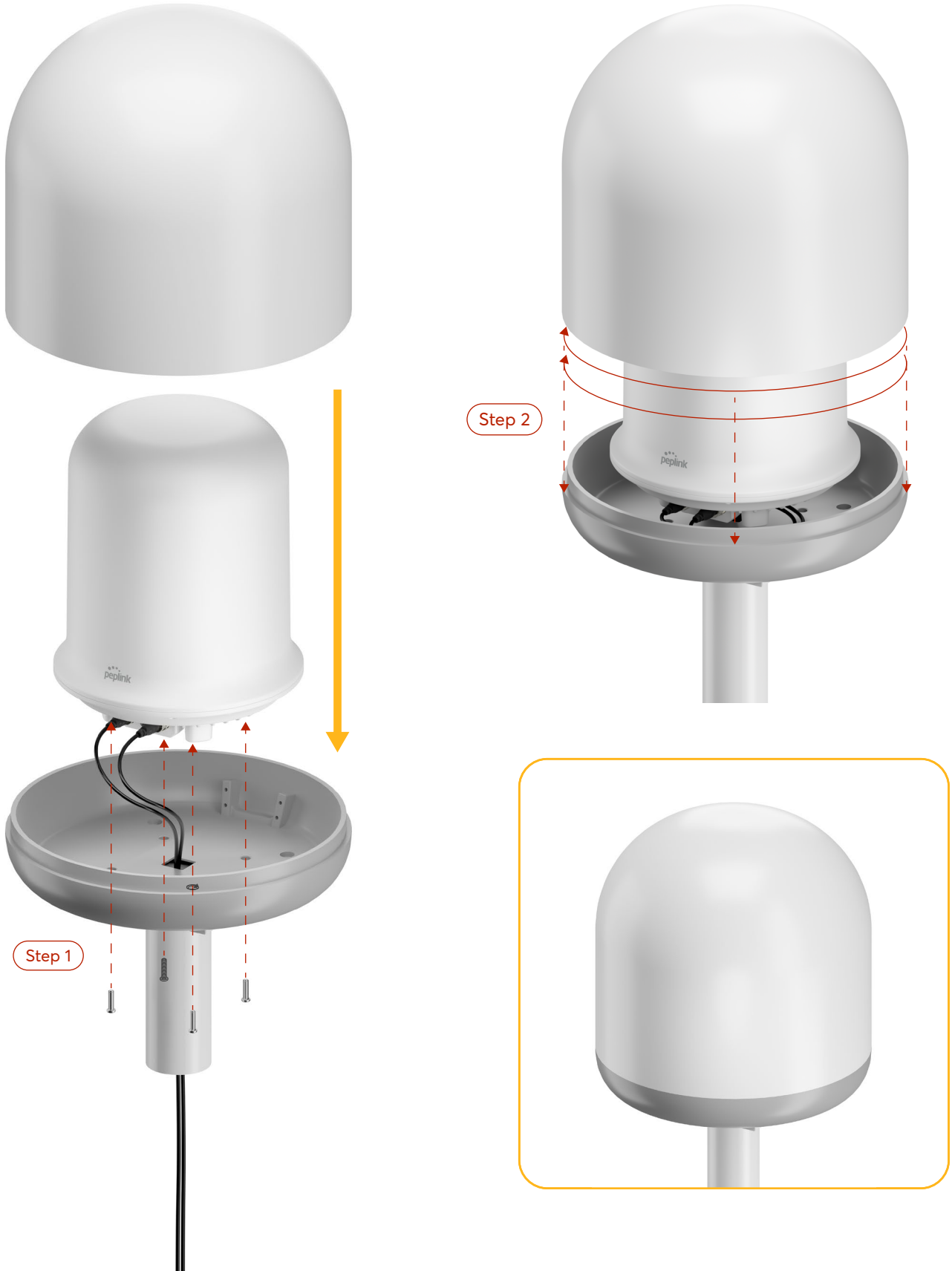
## Technical Drawing



## Installation Recommendation

### In VSAT Dome

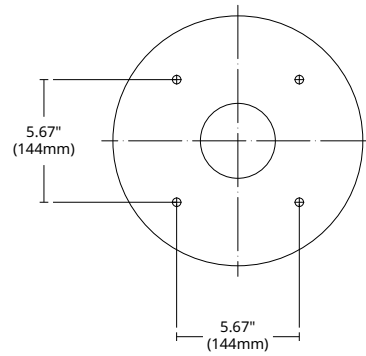
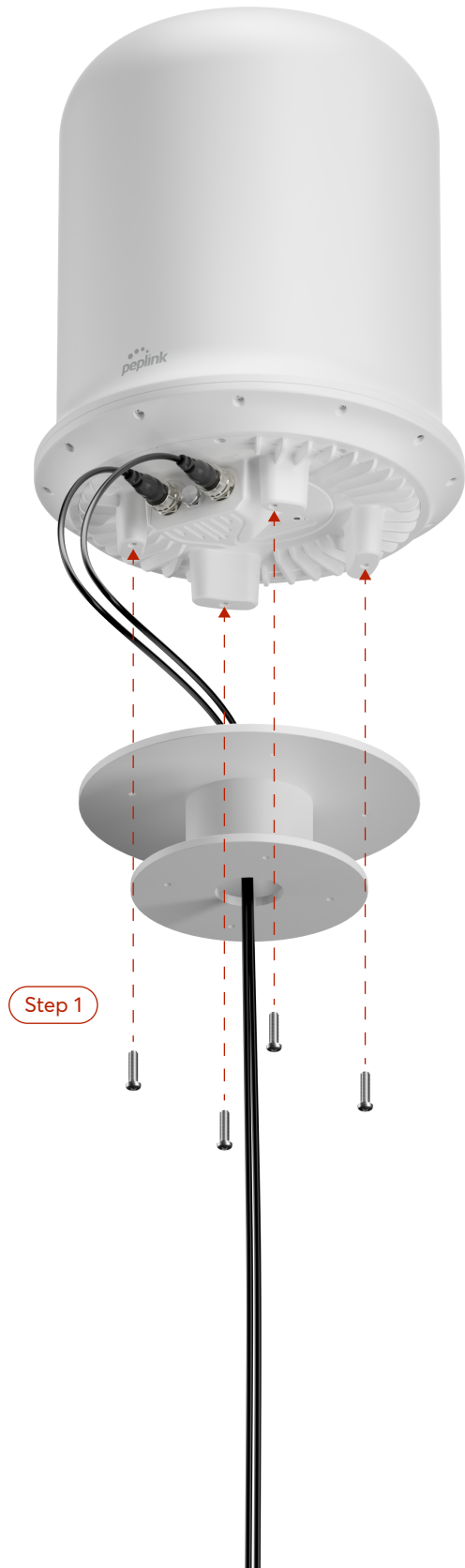
\*Please note VSAT Dome is not provided



## Installation Recommendation

### In Standard Dome Mount

\*Please note Standard Dome Mount is not provided



Note Standard Dome mounts can be used.

