

Dome Pro LR

Supercharge Your Maritime Connectivity



FAQ

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What is the Dome Pro LR?



What is the Dome Pro LR?

The Dome Pro LR is currently the most powerful dual cellular router in the Dome Series. It features dual 5G cellular modems with redundant SIM slots in an IP67-rated enclosure suitable for exposure to extreme outdoor environments like the ocean. It is an all-in-one router and antenna solution especially designed for solving cellular signal problems in remote areas where cellular signal is degraded. Integrated with 8 integrated long range optimized cellular antennas, the Dome Pro LR can communicate with signal sources as far as 40km*.

This device offers various WAN options and can provide devices with Wi-Fi AP, supporting up to Wi-Fi 6. In addition to dual cellular WAN, it is capable of receiving Wi-Fi WAN. It features an Ethernet WAN port, allowing the use of Starlink or VSAT antennas. Also, the Dome Pro LR supports 2.5G Ethernet, enabling high-speed transfers to LAN clients with minimal cable loss.

*Actual range varies depending on the deployment environment.



How fast is this device?

The 5GN modem embedded in the Dome Pro LR supports a theoretical 3.4Gb/sec downlink data rate and a 900Mb/sec uplink data rate. If the Dome Pro LR cannot connect to a 5G network, it can still receive LTE CAT-20 signals, with a 1.6GB/sec downlink data rate and a 200Mb/sec uplink data rate.

A complete spec sheet can be found [here](#).



What certifications does the Dome Pro LR have?

The Dome Pro LR have the following certifications:

- FCC, CE, RoHS

Its rugged IP67-rated enclosure and certifications allow the Dome Pro LR to be deployed in a wide variety of situations.



What is the best use case for the Dome Pro LR?

The Dome Pro LR provides 3 great features: minimum cable loss, deployment scalability, and outdoor applicability.

With its integrated antennas, the Dome Pro LR minimizes cable loss to achieve the best signal possible. This makes it a great choice for maritime and transport connectivity.

You can also install as many Dome Pro LR's as you want for extra cellular data transmission, and combine these using SpeedFusion technology for a mega-bandwidth channel providing the fastest and most reliable internet connection. The scalability of the Dome Pro LR is suitable for areas such as maritime environments, mobile healthcare, and remote site connections.

For outdoor applications, the Dome Pro LR comes in a waterproof IP67-rated enclosure that stands up to dust, vibration, and inclement weather.

Click [here](#) and we can work out a cost-effective solution with the best overall performance together. We make connectivity reliable.



How many ways can the Dome Pro LR connect to the Internet?

The Dome Pro LR comes with a GE WAN port, dual cellular modems, and Wi-Fi WAN. With the cellular modems, it can connect to the Internet with a physical SIM or BYO eSIM provided by the mobile carrier of choice. It also features RemoteSIM (SIM Injector) support for more convenient SIM management.



What is the difference between the Dome Pro LR and Peplink's antennas?

Both the Dome Pro LR and Peplink's antennas work well in remote areas. The main difference between incorporating the Dome Pro LR and a Peplink antenna into your work setup is the much shorter cable between the router and integrated antenna to minimize cable loss.

What does the Dome Pro LR include?



What's in the box?

Along with the Dome Pro LR, there are 4x M8 bolts and 2 x waterproof Ethernet connectors ([ACW-112](#)).



Is a warranty included with this product?

Yes, the Dome Pro LR comes with a 1-year PrimeCare Plan which is extendable on a year-to-year basis. You can purchase an extension from our [Certified Partners](#) or directly from the Peplink store at the time of the sale or thereafter.

PrimeCare Model (SKU no. ending with -PRM)	PrimeCare	PrimeCare+
Dome Pro LR <i>DOM-PRO-LR-5GN-PRM</i>	1 Year 2 Year 4 Year	1 Year 2 Year 4 Year



What is PrimeCare?

PrimeCare makes SpeedFusion networks easier to build. It's a subscription that bundles InControl, warranty services, SpeedFusion license upgrades, FusionHub licenses, ticket support, and standard RMA.



What is PrimeCare+?

PrimeCare+ is an upgrade to PrimeCare. It includes everything offered in PrimeCare and comes with advanced hardware replacement RMA and 24x7 ticket support.



What is SpeedFusion Connect?

SpeedFusion Connect is Peplink's global network of SpeedFusion endpoints. With an active CarePlan or SpeedFusion Connect Usage data plan, you can utilize SpeedFusion wherever you are, eliminating the need for any additional hardware.

Unsure of what you need? Check out this useful [post](#).



Does the Dome Pro LR employ Peplink's SpeedFusion technology or SpeedFusionVPN?

SpeedFusion VPN is included in all products. For the Dome Pro LR, you can utilize SpeedFusion technology, including Hot Failover, WAN Smoothing, and Bandwidth Bonding without an extra license.



What is SpeedFusion technology?

Peplink's patented SpeedFusion technology is a powerful VPN tunnel equipped with a variety of technologies such as Hot Failover, Smoothing, Bandwidth Bonding, and much more. This technology empowers users with the flexibility and tools required to achieve unbreakable connectivity in any vertical or scenario in which they might find themselves in. Click [here](#) to learn more about SpeedFusion.



How can I purchase a license for SpeedFusion Connect with higher traffic speed and additional usage?

Easy. Look [here](#)!

Using the Dome Pro LR



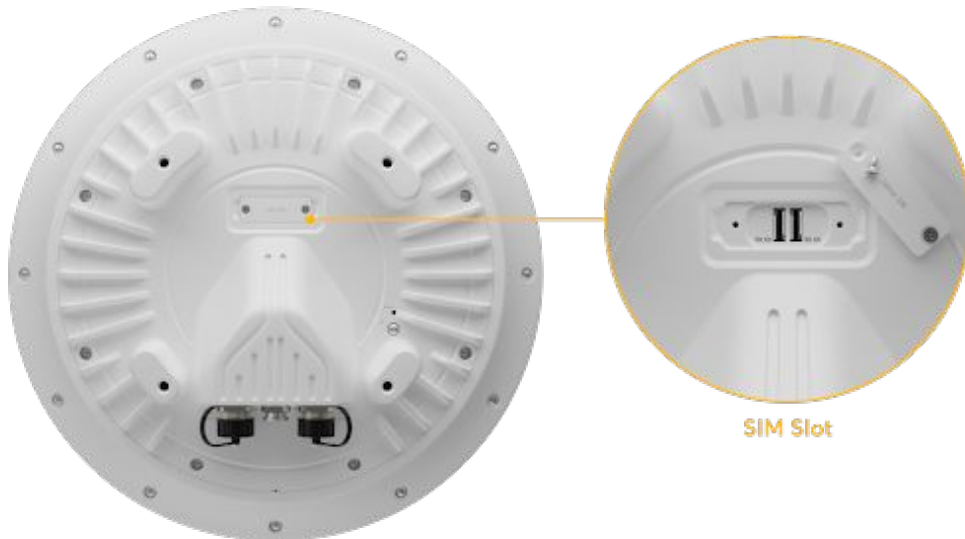
What size should the SIMs be?

The Dome Pro LR uses Nano-SIMs (4FF).



Where can I install the SIMs?

There are 4 SIM slots for the Dome Pro LR. They are located at the bottom of the device. Unscrew the cover and place the SIM inside.



I see the unit has multiple SIM slots. Can they be used simultaneously?

The Dome Pro LR has dual 5G cellular modems, totalling to 4 SIM slots. You can load 4 SIMs and switch between them, but you can only use a single SIM for each cellular modem at a time. To further increase the SIM slot, please check our SIM injector [here](#).



Is the Dome Pro LR a good choice for outdoor applications?

Yes. The Dome Pro LR has an IP67 Ingress Protection rating, highly protected against both dust and water. The Dome Pro LR has a rugged metal enclosure for long-term outdoor applications. Click [here](#) to learn more about Peplink's antenna design and its IP67 rating.



Why should I use SpeedFusionVPN?

PepVPN is a capability built into the Dome Pro LR. It permits users to construct a VPN tunnel between Peplink devices. This tunnel may be unencrypted, or more commonly, encrypted with AES 256-bit encryption. For example, if you have a Dome Pro LR at an outdoor site and a Peplink Balance series router at another location, you can establish a connection between the 2 locations, allowing the flow of resources from location to location. You can also construct either a Layer 2 or a Layer 3 tunnel, with the latter being more common.



Does the Dome Pro LR provide GPS tracking?

Yes. The Dome Pro LR has an embedded GPS antenna, which works with InControl, Peplink's cloud-based management platform, to provide fleet tracking features. You can keep tabs on locations and manage your mobile network from any internet-connected device.



What is the maximum power consumption of the Dome Pro LR?

The maximum power consumption of the Dome Pro LR is 24W (without the PoE output).



Does the Dome Pro LR support PoE features?

Yes. The Dome Pro LR supports both PoE in and PoE out. The LAN port is capable of handling 802.3at PoE+ or 802.3bt PoE++ input. The WAN/LAN port can provide 802.3at PoE+ output. Please note that when using PoE output on the WAN/LAN port, 802.3bt PoE++ input is required on the LAN port.

Dome Pro LR and Public Safety



Can the Dome Pro LR use Band 71?

Yes. The Dome Pro LR 5GN can use Band 71. Band 71 is a band frequency provided by T-Mobile which operates at a 600MHz frequency and travels twice as far and works 4 times better in buildings than conventional LTE bands. You can insert your T-Mobile SIM into any cellular slot of the Dome Pro LR to use Band 71.

License and Accessories



Does the Dome Pro LR require any external antennas?

The Dome Pro LR has embedded internal antennas. Therefore, no external antenna is needed.



How can I subscribe to InControl?

There is no individual license to subscribe to InControl. The use of InControl requires an active CarePlan. For the Dome Pro LR, it comes with a 1-year subscription to PrimeCare. Extending PrimeCare allows for the use of the InControl function continuously.



Can the Dome Pro LR overcome spotty coverage issues?

Yes. The Dome Pro LR supports up to 4 SIM cards. For another 8 SIM slots, you can connect the Dome Pro LR to a Peplink SIM Injector. With up to 12 cellular providers to connect to, spotty coverage will simply not be a problem.

Click [here](#) to learn more about how the SIM Injector provides more SIM slots and range to your Dome Pro LR.



How can I install the Dome Pro LR?

Please refer to our [datasheet](#) for detailed installation recommendations.



Can the Dome Pro LR connect to an OpenVPN server from a commercial VPN provider (ExpressVPN, ProtonVPN, etc)?

Yes. An optional license ([LIC-OPN-WAN](#)) will enable the OpenVPN WAN functionality.



What if I need more than 2 PepVPNs/SpeedFusion Peers?

The Dome Pro LR has the capability for 2 PepVPNs/SpeedFusion Peers “built-in”. 5 PepVPN/SpeedFusion Peers are enabled with a PrimeCare subscription. 10 and 20 SpeedFusion VPN can be enabled with software licence (PVN-LC-10 and PVN-LC-20).

What can I do if I need support?



Does Peplink offer support for this product? What if I have difficulties setting it up?

Peplink Partners are proud to always provide support to you, our users, so always reach out to the place of purchase first.

For those who prefer self-service, Peplink has a very active [forum](#). Our regular forum users include Peplink Partners, the Peplink team, and many knowledgeable users. Generally, folks with questions get answers rather quickly.

In the unlikely event of a suspected hardware or firmware issue, you can enter a [support ticket](#) with Peplink directly. You will then receive attention from some of the best engineers! Peplink supports its owners like no other.



I can't access the Internet via the Dome Pro LR. What can I do?

Visit [this link](#) (troubleshooting section) for a basic software walkthrough and troubleshooting guide. If you need further assistance, please reach out to us on our [forum](#), and the team will get you online.