

Supercharged Maritime Connectivity

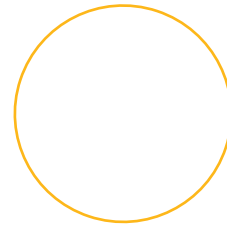


About Peplink



Cutting-Edge Provider of Wired and Wireless Connectivity

Peplink makes connectivity reliable. Peplink's ecosystem, SpeedFusion technology and routers have been deployed around the world, helping thousands of customers from many industries increase bandwidth, enhance internet reliability, reduce connectivity cost, or enable new deployment possibilities.



The page features decorative elements including wavy lines in orange and black at the top and bottom, and three orange circles of varying sizes on the left side.

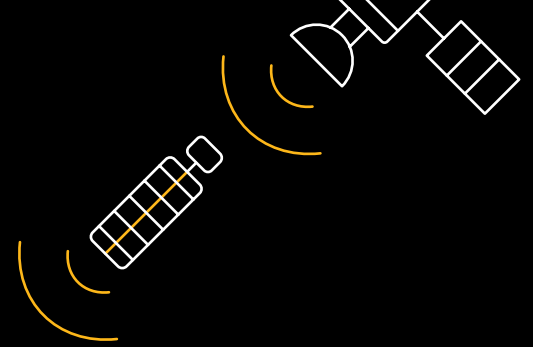
We Make

- Maritime
- Connectivity

Possible.

Peplink combines multiple cellular, Wi-Fi and satellite connections for reliable and fast onboard connectivity.

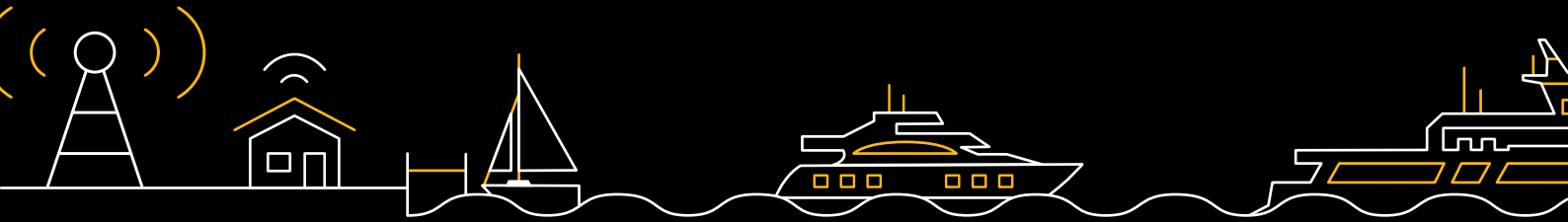
• Maritime Connectivity Overview



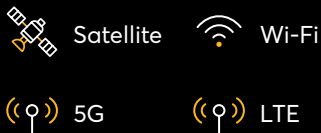
Satellite (VSAT / Starlink)

5G/LTE Cellular Signal

Wi-Fi



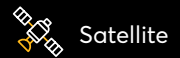
Shore



Coastal



Ocean



• Challenges in Maritime Connectivity



VIEW



Fluctuating Network Availability

Network availability and speed of links vary based on the vessel's location. Peplink combines any connection to ensure connectivity is always available.



Bandwidth Need for Shipboard Resources

Incumbent satellite solutions can no longer accommodate the rising bandwidth requirements for streaming IPTV, email, access to company servers and external cloud and CCTV footages.



Connection Cost Control

To avoid data costs from spiraling out of control, Peplink can automatically prioritize data usage to lower connection costs, such as port WiFi over Cellular, or local Cellular over satellite.

• **Challenges** of Using Starlink at Sea



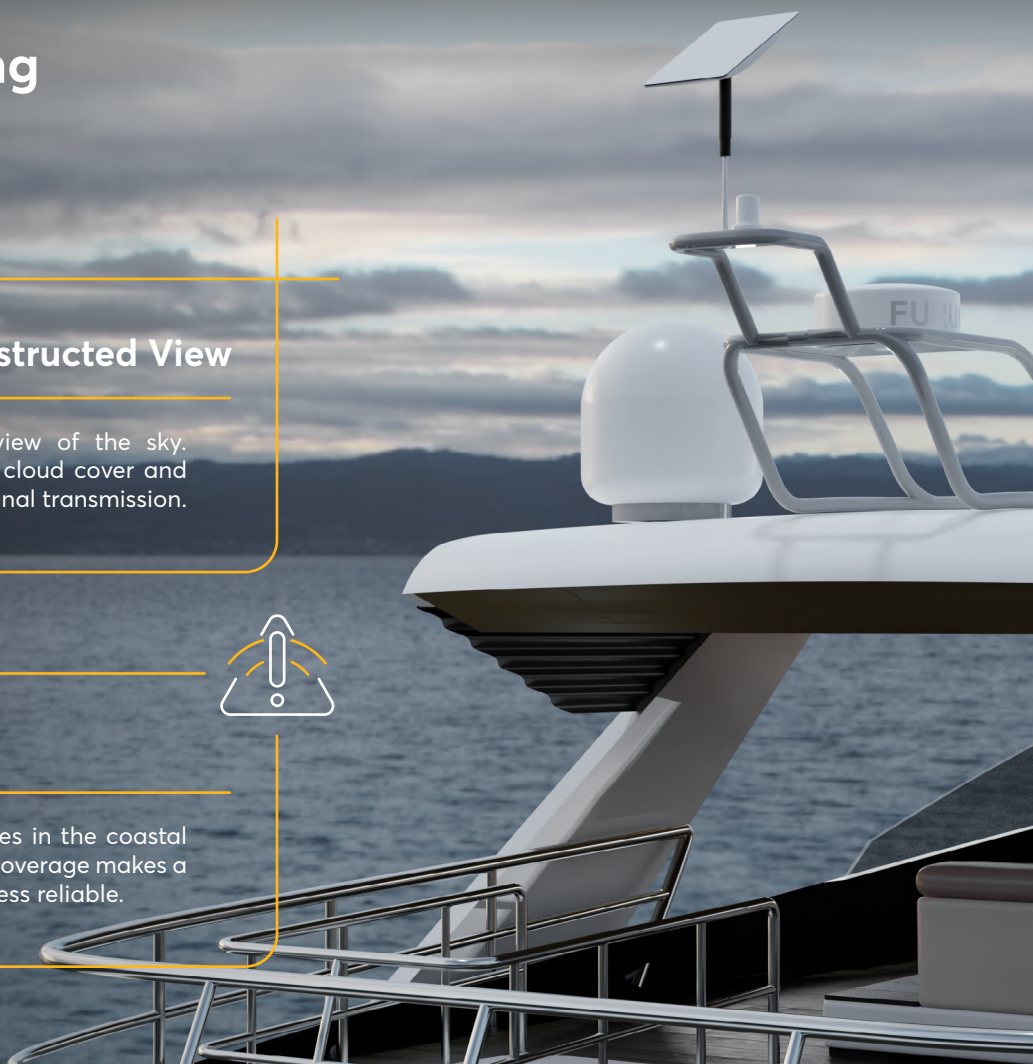
Signal Drops Due to Obstructed View

Starlink requires an unobstructed view of the sky. Yet, the air over the sea holds more cloud cover and moisture, which may largely affect signal transmission.



Limited Coverage

Starlink service currently only operates in the coastal seas of certain countries. The limited coverage makes a network solely dependent on it even less reliable.

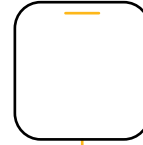


• Peplink's Maritime Connectivity Solution



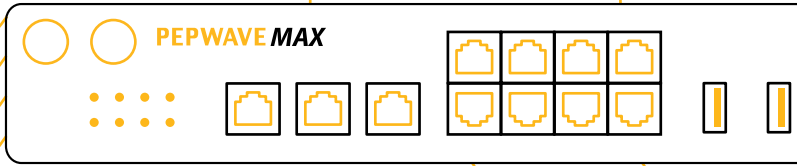
VIEW

Access Point



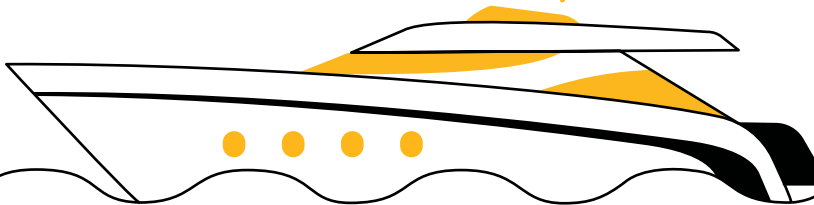
Maritime Antenna

HD4 MBX 5G



SpeedFusion
Connect Protect

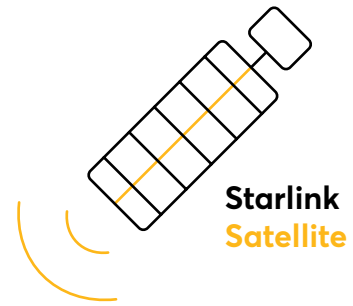
SIM Injector



SD-Switch



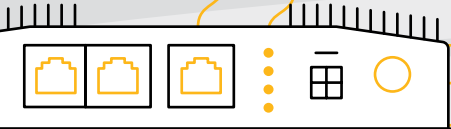
• Starlink with Peplink



Mobility 42G



Starlink Antenna



BR1 Pro 5G

Satellite

Wi-Fi WAN

5G



Hot Failover

SPEEDFUSION

Connect

SpeedFusion
Connect
Protect

In the event of a WAN disconnection, Hot Failover will transfer your traffic to another connection while maintaining session persistence. This seamless transition means that you won't experience interruptions in your activities.

With dual 5G/LTE modems, dual Ethernet, USB, and Wi-Fi WANs, the BR2 Pro complements any onshore or offshore deployment with several connections for maximum uptime.



VIEW


BR2 Pro

Dual 5G Modem Cellular Router

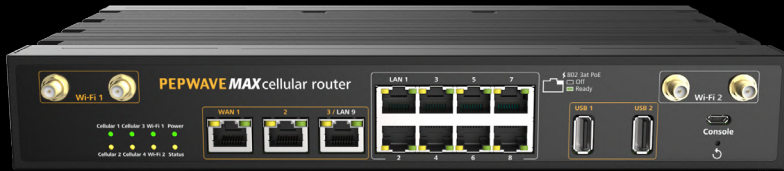


 2x 5G modems

 Wi-Fi 6

 PoE Input





VIEW

HD4 MBX 5G

5G Quad-Cellular Powerhouse

The MBX can receive 5G signals offshore (with a good antenna setup) to minimize satellite bandwidth costs. Supports Wi-Fi as WAN near pier facilities.

 4x 5G modems



Bandwidth Bonding



Wi-Fi 5



VIEW

Dome Pro

5G Cellular Routers for
Outdoor Deployments



Dome Pro LR



Embedded Antennas



Wi-Fi 6



Wi-Fi as WAN

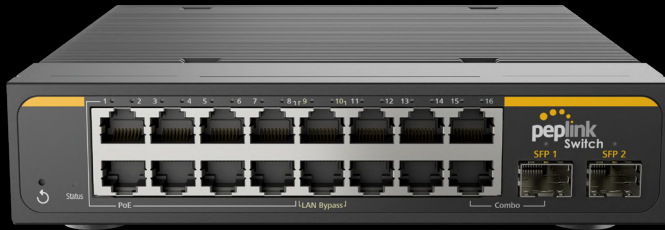


IP67

HD1 Dome Pro



Dome Pro Duo



VIEW

SD-Switch

16 Port Rugged

Simplified LAN Management



PoE+ Output



High Capacity Uplinks



Out-Of-Band Management

Network switch fully manageable with InControl 2 cloud management. Multiple PoE+ output reduces cable needs.



Add up to 8 SIM cards. Mount the HD Dome / MBX on the mast and manage SIMs from below decks.



VIEW

SIM Injector

More SIM, More Range



Support up to 8 SIM cards





VIEW

Maritime Antenna

High-Gain Antennas
Ready to Set Sail with
5G Connectivity

5G 5G Ready

 IP68 Rated and UV proof

 Ultra-High Gain

 GPS Support*
*Excluding Maritime 10.

Maritime **40G**

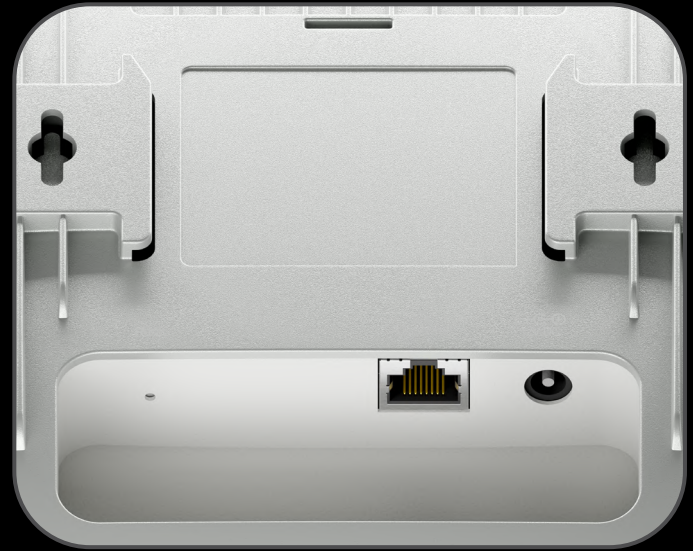


Maritime **20G**



Maritime **10**





Access point extends Wi-Fi signal to cover the whole vessel. Fully manageable with InControl 2 cloud management.



VIEW

AP One AX

Better Coverage and Speed with Wi-Fi 6



Wi-Fi 6



AP Controller Support



InControl 2 Support



Success Stories for Maritime Connectivity



50m Motor Yacht

Manage both 5G and satellite connectivity while integrating the onboard communication and entertainment systems with the network.



Solution • BR1 Pro 5G



Catamaran Boat

Enhance the cellular system to compensate for the limitations of satellite connectivity by using a dual-5G router and high-gain antennas.



Solution • BR2 Pro + Maritime 40G



Solution • 16-port Switch + HD4 MBX 5G

80m Motor Yacht

Supplement the existing satellite network by using a quad-cellular router which allows for Bandwidth Bonding. Simplify LAN management with a switch.



Cruise Line

Support the large bandwidth requirements of a cruise line by bonding multiple Starlink and cellular connections together. Leverage multiple internet sources, including port Wi-Fi, cellular, and satellite to create an always-on network.



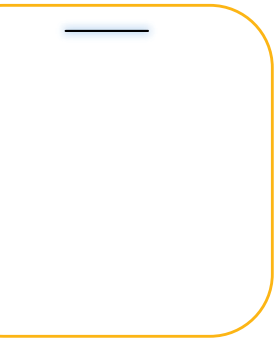
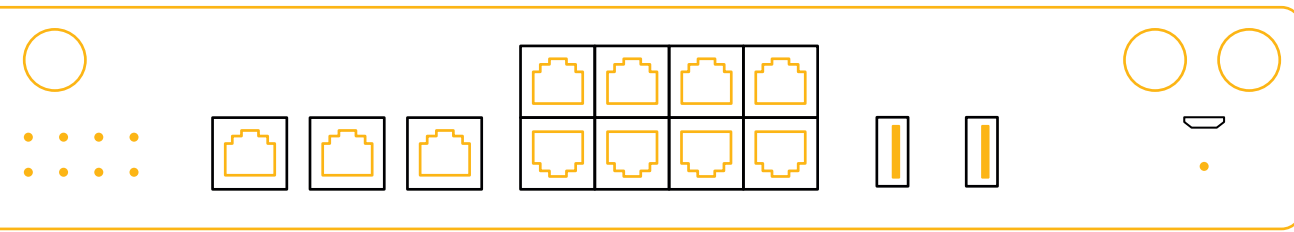
Solution • EPX + Balance 2500 EC + HD1 Dome Pro



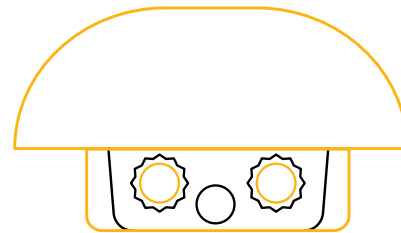
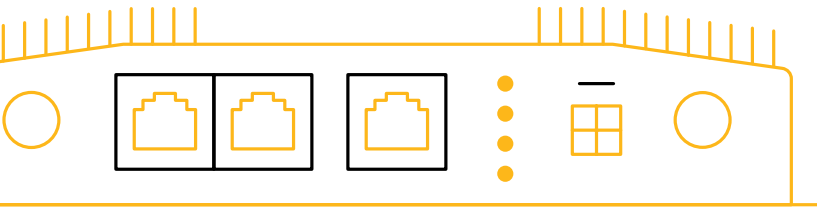
Solution • SDX Pro + Dome Pro LR

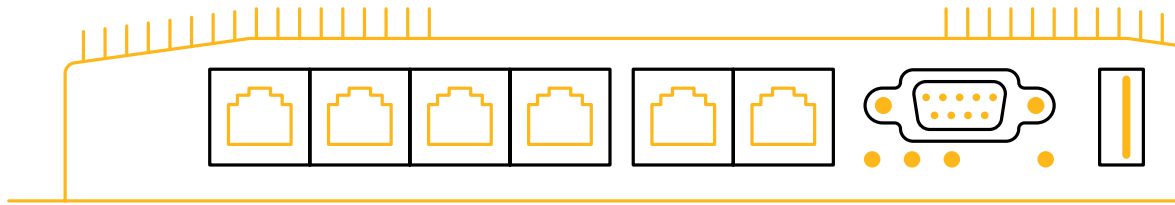
Cargo Vessel

Enable long range cellular connectivity surpassing 40km from the coastline for communications and operations. Pair cellular and satellite connectivity for a redundant offshore network.



Digital Version





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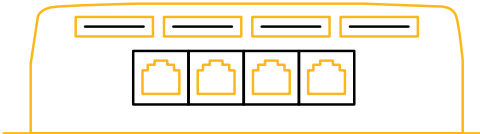
PeplinkChannel



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