Supercharged Maritime Connectivity

About Peplink

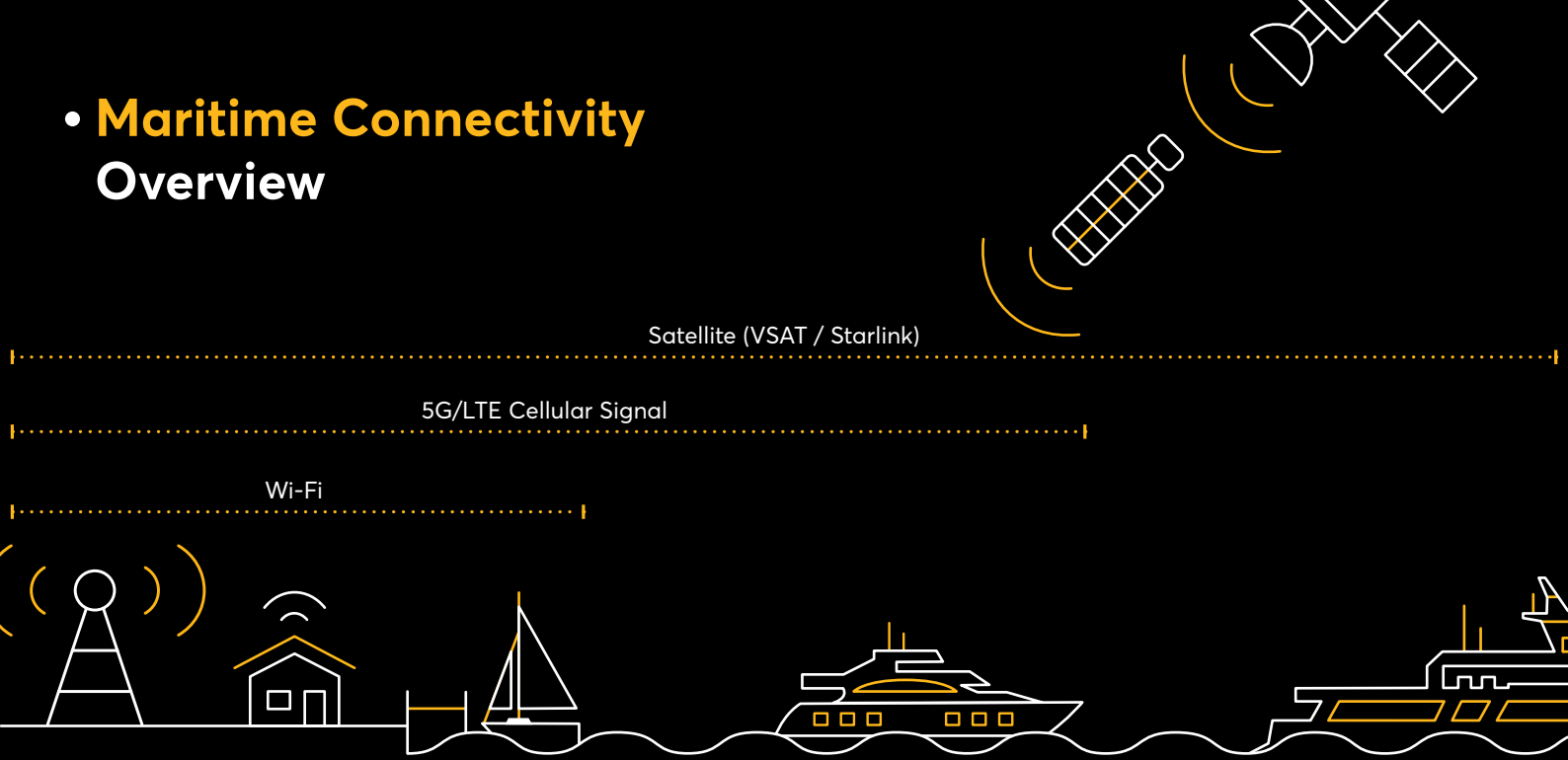
Cutting-Edge Provider of Wired and Wireless Connectivity

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.

We Make Maritime Connectivity Possible.

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

• Maritime Connectivity Overview



Shore

Satellite
Wi-Fi
5G
LTE

Coastal

Satellite
5G
LTE

Ocean

Satellite

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

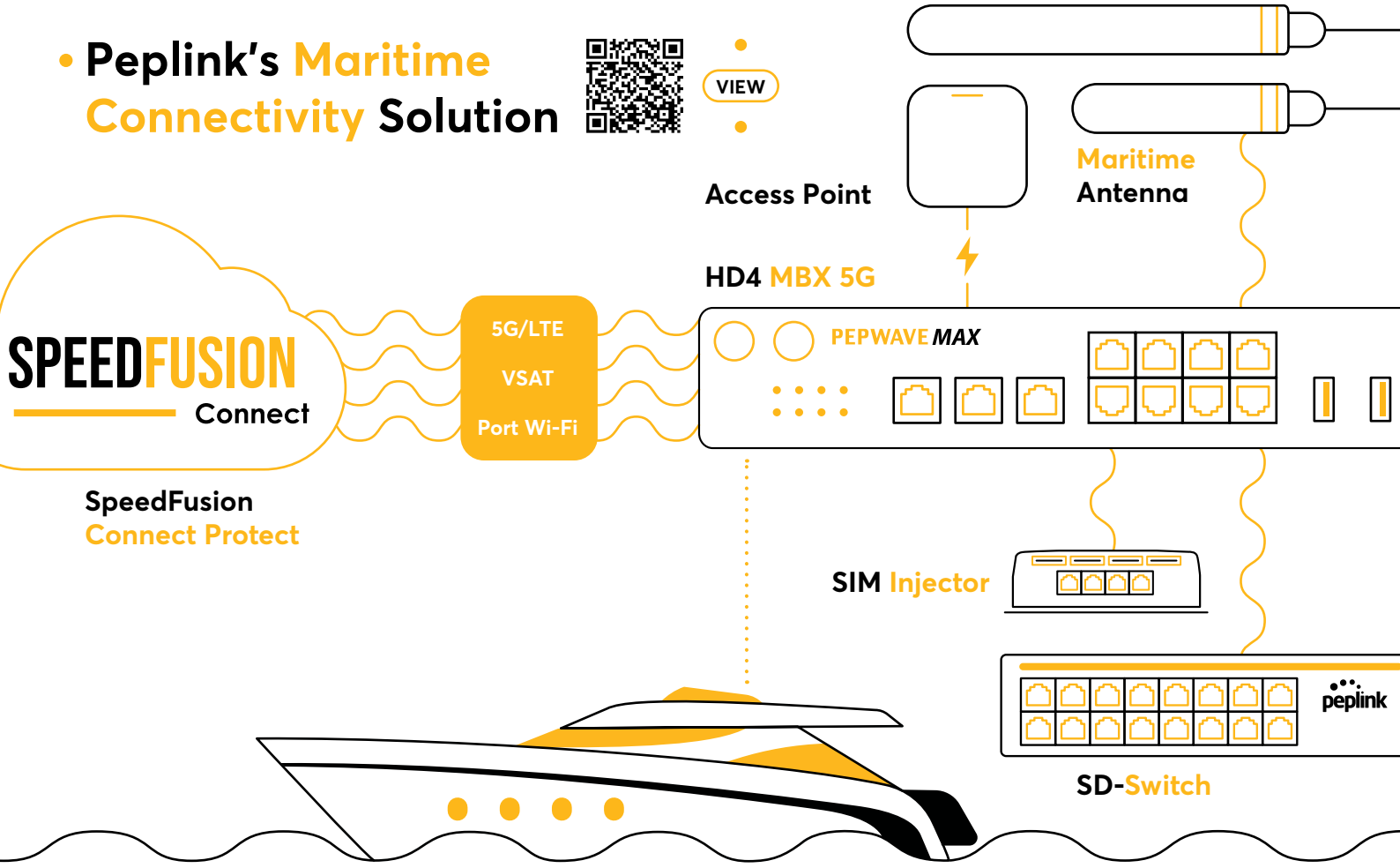
Incumbent satellite solutions can no longer accommodate the rising bandwidth requirements for streaming IPTV, email, access to company servers and external cloud and CCTV footages.

Costly and Inflexible Solutions

One-size-fits-all solutions are often provided for a variety of needs, resulting in inadequate performance or unnecessarily high costs for even the most basic requirements.

• Peplink's Maritime Connectivity Solution

VIEW



• 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.

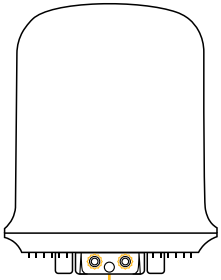
• Peplink & Starlink Integration

VIEW
Solutions Page

Internet

Dome Pro LR

Maintains 2× 5G connections from over 25 miles offshore. Outperforms traditional router plus antenna options with its embedded long-range antenna that minimizes cable loss.



SPEEDFUSION Connect

4× Starlink

Keeps the yacht connected when cellular is out of range.

SDX Pro

Acts as a connectivity hub where 5G and Starlink enter and are bonded. Future-proofed with 2× FlexModule slots for you to customize your networks over time.

Starlink ×4
5G ×2

FlexModule SIM Injector

Houses SIMs that can be provisioned to the Dome Pro LR as needed.

SpeedFusion

Bonds all connections together for greater reliability, resilience and bandwidth.

• Peplink & Starlink

VIEW
Press Release

peplink | STARLINK

Peplink, officially Starlink's first Authorized Technology Provider, provides robust networking solutions for diverse environments through a global network of Authorized Peplink & Starlink Solution Providers.

This collaboration evolved from a project on a 5000-passenger cruise ship, where Peplink teamed up to aggregate multiple Starlinks to provide reliable gigabit Internet. By combining Peplink and Starlink, reliable and resilient networks are made broadly accessible in even the most challenging physical conditions, such as at sea.

- Backup Terrestrial With Satellite
- Use Multiple Starlinks in the Same Network
- Easily Manage All Devices on the Same Platform
- Router Features Made Specifically for Starlink

Featured Products for Maritime Connectivity

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.

5G 4x 5G modems

Bandwidth Bonding

Wi-Fi 5

VIEW

Dome Pro

5G Cellular Routers for Outdoor Deployments

Embedded Antennas

Wi-Fi 6

Wi-Fi as WAN

IP67

Dome Pro LR

HD1 Dome Pro

Dome Pro Duo

VIEW

SD-Switch

16 Port Rugged

Simplified LAN Management

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

- PoE+ Output
- High Capacity Uplinks
- Out-Of-Band Management

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 Ready
- Ultra-High Gain
- IP68 Rated and UV proof
- 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

Solution • BR1 Pro 5G

Motor Yacht

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

Catamaran Boat

Optimize the seamless integration of Starlink connectivity with the cellular system by using a dual-5G router and high-gain antennas.

Solution • BR2 Pro + Maritime 40G + Starlink

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.

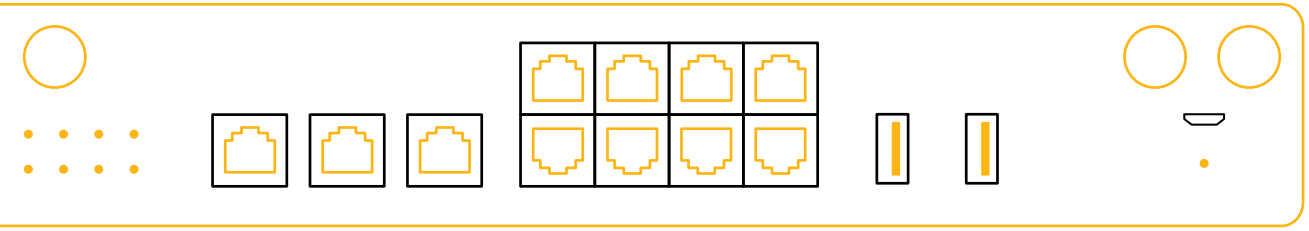
Solution • EPX + Balance 2500 EC

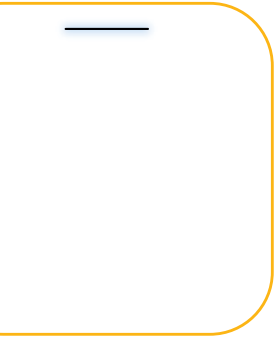
+ HD1 Dome Pro + Starlink

Solution • SDX Pro + Dome Pro LR

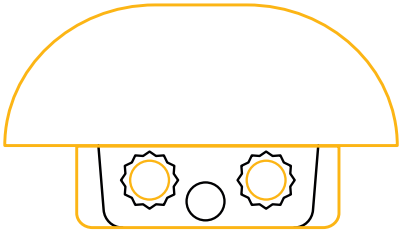
Cargo Vessel

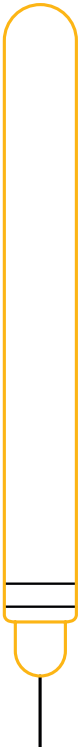
Enable long range cellular connectivity surpassing 40km from the coastline for communications and operations. Pair cellular and satellite connectivity for a redundant offshore network.

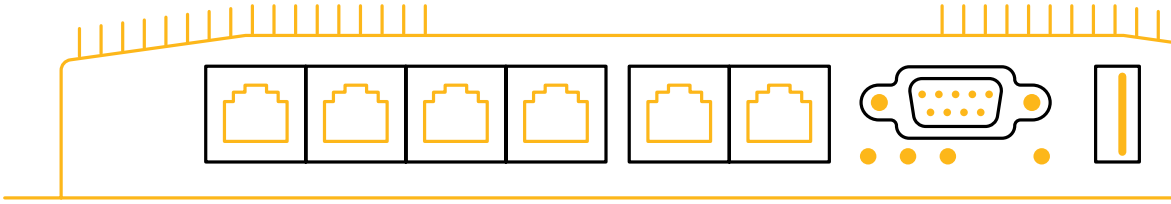




Digital Version







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