

# PEPLINK ANTENNA MAX S

## ALL-IN-ONE HYBRID CONNECTIVITY ENCLOSURE

The Peplink Antenna MAX S is a fully integrated enclosure combining Starlink Mini, 5G/LTE, and routing into a single deployable unit. Built as a turnkey solution, it simplifies hybrid connectivity by eliminating external RF cabling and reducing installation complexity. With integrated antennas and Peplink's networking capabilities, it enables reliable, high-performance connectivity with minimal setup.

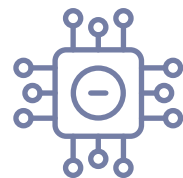
### FEATURES



Hybrid LEO + 5G  
Connectivity



Seamless Failover &  
Switching



Integrated Antenna  
System



No External  
RF Cabling



Rapid Deployment  
Design



Rugged IP67  
Enclosure

# SPECIFICATIONS

## MOUNTING

Supported Types: Surface, Pole, Magnet, Vehicle roof racks or Custom mounts

## PACKAGE CONTENTS

Antenna MAX S  
L-Mount Set  
Power supply/splitter mounting set  
Router fixation screws  
2 pcs M25 cable glands  
1 pc M25 hole plug  
2 pcs RJ45 glands  
2 pcs RJ45 caps  
2 pcs Hole plug  
1 pc DC Cable Connector  
1 pc Starlink power cable (35.4' / 900 mm)  
1 pc Starlink Ethernet cable (35.4' / 900 mm)  
1 pc Double-sided 3M adhesive pad  
1 pc Ethernet cable (7.87" / 200 mm)  
1 pc DC cable (3.93" / 100 mm)

## MECHANICAL

Product Dimensions:

- Length: 17.67" (448 mm)
- Width: 14.57" (368 mm)
- Height: 5.3" (135 mm)

Packaged Dimensions: 585 × 456 × 185 mm/  
23.03" × 17.95" × 7.28"

Enclosure Material:

- Bottom plate: Aluminium
- Other parts: UV-stable PC

## CELLULAR ANTENNA

Antenna Elements: 4 elements  
Peak Gain & Frequencies:

- 5.7 dBi: 617–960 MHz
- 6.8 dBi: 1410–2700 MHz
- 8.9 dBi: 3300–4400 MHz
- 7.3 dBi: 5000–6000 MHz

VSWR: < 2.5 over 95% of the band  
Feed Power Handling: 10W  
Input Impedance: 50Ω  
Polarisation: Linear  
Connectors: Right angle SMA male

## WI-FI ANTENNA

Antenna Elements: 2 elements  
Peak Gain & Frequencies:

- 6.3 dBi: 2400–2500 MHz
- 7.4 dBi: 5000–6000 MHz

VSWR: < 3.0  
Feed Power Handling: 10W  
Input Impedance: 50Ω  
Polarisation: Linear  
Connectors: Right angle RP-SMA male

## GPS

Frequency Range: 1575–1602 MHz  
Peak Gain:

- 0.9 dBi @ 1575 MHz
- 0.8 dBi @ 1602 MHz

VSWR: < 2.0

Gain (LNA): 27 ±3 dB  
Noise Figure: 2.5 dB  
Operating Voltage: 3.3V  
Power Consumption: 10 ±3.0 mA  
Connectors: Right angle SMA male

## ENVIRONMENTAL & COMPLIANCE

IP Rating: IP67  
Operating Temperature: -40° – 176°F /  
-40° – 80°C  
Storage Temperature: -40° – 176°F /  
-40° – 80°C  
Compliance: RoHS, REACH, WEEE  
Enclosure Flammability: UL 94 V-0  
(1.47 mm)  
UV Resistance: UL 746C (Long-term UV  
exposure)  
Salt Spray: ASTM B117

## ORDERING INFORMATION

Product Code: ANT-MAX-S  
Description: Enclosure with integrated  
4x 5G/LTE, 2x Wi-Fi, GPS antennas for  
Peplink routers and Starlink Mini  
bundle solution

## FEATURED ADD-ON

ACW-651: 1" 14 TP female to mobility  
thread for deck mount  
ACW-653A: 1 1/4" 11 TPI male adapter  
for deck mount

# USE CASES

## SIMPLIFIED HYBRID CONNECTIVITY

Deploy a complete satellite and cellular connectivity system within a single enclosure, eliminating the need for multiple devices and external antennas. The integrated design reduces installation complexity, streamlines setup, and enables faster deployment with minimal technical overhead.

## RELIABLE OUTDOOR OPERATION

Ensure consistent performance in demanding environments with a rugged, IP67-rated enclosure built to withstand temperature extremes, moisture, and exposure. Designed for long-term outdoor use, it supports stable connectivity in both fixed and mobile deployments.

## CONTINUOUS CONNECTIVITY & OPTIMISED PERFORMANCE

Maintain stable, high-quality connectivity through automatic switching between Starlink and 5G networks. The integrated antenna design reduces signal loss and enhances throughput, ensuring consistent performance across changing conditions.

