

PEPLINK ANTENNA MAX S

POWERED BY PEPLINK, ELEVATED BY IEC TELECOM

The Peplink Antenna MAX S is a fully integrated enclosure combining Starlink Mini, 5G/LTE, WI-FI, GPS 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. Fully integrated with the OptiView ecosystem, Antenna MAX S enables real-time network visibility and seamless connectivity control.

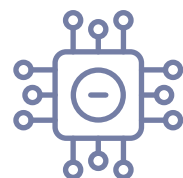
FEATURES



Hybrid LEO + 5G
Connectivity



Seamless Failover &
Switching



Integrated Antenna
System



No External
RF Cabling



OptiView
Network Management



Rugged IP67
Enclosure

SPECIFICATIONS

MECHANICAL

Product Dimensions: 448 x 368 x 135 mm
Packaged Dimensions: 585 x 456 x 185 mm
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

NETWORK MANAGEMENT WITH OPTIVIEW

OptiView is a proprietary network management ecosystem by IEC Telecom. Operated via an intuitive, agile, and future-ready portal, OptiView offers real-time visibility and enables full control over your remote networks, whether satellite or cellular

ENVIRONMENTAL & COMPLIANCE

IP Rating: IP67
Operating Temp: -40° – 80°C
Storage Temp: -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

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 (900 mm)
1 pc Starlink Ethernet cable (900 mm)
1 pc Double-sided 3M adhesive pad
1 pc Ethernet cable (200 mm)
1 pc DC cable (100 mm)

MOUNTING

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

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.

USER ACCESS MANAGEMENT VIA IEC VOUCHER MANAGEMENT SYSTEM

IEC Voucher Management System provides a two-level welfare management framework. It gives administrators full control over corporate allowance distribution, supports multiple access levels, and offers comprehensive monitoring. At the same time, end-users can track their consumption and top up their balance via a user-friendly captive portal.

CONTINUOUS CONNECTIVITY & OPTIMISED OUTDOOR PERFORMANCE

Engineered for demanding environments, Antenna MAX S maintains seamless failover between Starlink and 5G/LTE, while its IP67-rated enclosure withstands temperature extremes and exposure, ensuring stable, high-quality connectivity across fixed and mobile deployments, regardless of conditions.

