

4G AT SEA – TRUST NEPTULINK TO KEEP YOU CONNECTED

THE **SIMPLE**
WAY TO
CONNECT



SIMPLE

Easy to install and
effortless to operate

Meeting the needs of commercial operators and recreational sailors, NeptuLink delivers an incredibly resilient 4G connection to shore-based mobile networks at distances near or above 20 nautical miles. Light, practical and at 10% of the cost of satellite systems, just add a SIM card and get online.

FAST

High-speed internet
with unmatched
reliability

With NeptuLink, Wi-Fi calls and internet access up to 100 Mbps are available out to 20NM using standard 4G plans. Catch reporting on a trawler, remote monitoring on a reefer, social media on a yacht – all are possible with NeptuLink, regardless of humidity, sea salt and spray, or vessel motion.

SMART

Intelligent technology
for low-cost
connectivity

Dual SIM cards reduce the roaming costs while NeptuLink's two antenna transmitter-receivers deliver optimised Internet long after a mobile phone or tablet reports service loss. Smart, seamless switching from 4G to in-port Wi-Fi ensures continuous Internet access anywhere on board.



Award winning
high-speed
4G connectivity

neptulink.com

NeptuLink
by MVG

NEPTULINK BY MVG | THE SIMPLE, FAST AND SMART WAY TO CONNECT

NeptuLink is a dual-antenna system in a ruggedized casing designed specifically for the marine environment. The antenna device is integrated with a modem allowing for wireless connectivity via 4G at 20+NM offshore. A built in Wi-Fi router brings Internet connectivity to all passengers on board and the possibility to connect to local hotspots. For optimal performance NeptuLink should be installed on the mast or the roof of the wheelhouse.

UNIT SPECIFICATIONS

FREQUENCY BANDS

LTE with MIMO diversity:

Band 1 (2100 MHz) / Band 2 (1900 MHz) / Band 3 (1800 MHz) /
Band 4 (AWS) / Band 5 (850 MHz) / Band 7 (2600 MHz) /
Band 12 (700a) / Band 13 (700 MHz) / Band 20 (800DD) /
Band 25 (1900+) / Band 26 (850+) / Band 29 (700d) / Band 41 (TD2500)

UMTS (WCDMA), HSDPA, HSUPA, HSPA+, DC-HSPA+ with diversity:

Band 1 (2100 MHz) / Band 2 (1900 MHz) / Band 3 (1800 MHz)
Band 4 (AWS) / Band 5 (850 MHz) / Band 8 (900 MHz)

Distance from transmitter¹

± 20 NM

Antenna gain²

2 dBi ± 1dB

System weight

3.5Kg

System dimensions

750 x 225 x 83 mm

SIM Type (Dual SIM)

Mini SIM (micro & nano SIM accepted with mini SIM adapter)

POWER SPECIFICATIONS

Power supply

By cable:

12 VDC to 24 VDC

By passive PoE with external injector:

24 VDC

Power consumption

Start:

15 W

Operation:

2 W (max) type

ENVIRONMENTAL CONDITIONS

Operating temperature

-20° C to +60° C

Storage temperature

-40°C to +85°C

IP protection

IP66

INTERFACE

Data link

Ethernet Port and

Wi-Fi 2.4 GHz 802.11b/g/n

Pin code & APN configuration

Via web interface

Notes

¹ Real distance depends on your telecom operator.

² Antennas are directly connected to modem, thus no losses in coaxial cables.

³ Real data rates depends on your telecom operator.



SIMPLE, FAST, SMART

- Up to 100 Mbps internet access
- Standard 4G data and 3G/LTE operation
- 4G and in-port Wi-Fi switching via web interface
- Designed for maritime environment

MAXIMUM DATA RATES³

- **LTE/4G**
Downlink:
Up to 100 Mbps (20 MHz bandwidth)
Up to 50 Mbps (10 MHz bandwidth)
Uplink:
Up to 50 Mbps (20 MHz bandwidth)
Up to 25 Mbps (10 MHz bandwidth)
- **HSPA+**
Downlink:
Up to 42 Mbps
Uplink:
Up to 5.76 Mbps

EQUIPMENT

- Transceiver unit:
CE and FCC certified
- Connectors:
1 x LAN / PoE DC 24V
1 x power connector DC12V
- User manual



For more information neptulink.com | contact@neptulink.com