



MVG Industries - NeptuLink

INTERNET - 4G CONNECTIVITY

Description of Solution : NeptuLink by MVG equips your boat with ultra-fast Internet access of up to 100 Mbps, with ship-to-shore communications within a radius of approximately 20 nautical miles. NeptuLink by MVG is suitable for the maritime environment thanks to its hardened mechanics. Developed in collaboration with internationally recognized experts from a major telecommunications school, it takes into account the specific characteristics of the propagation of radio waves over the sea and maintains optimal communication regardless of pitching and rolling movements. suffered by the boat.

- Affordable solution
- High-speed connection with low latency
- Robust system resistant to marine environmental conditions

Function and Application : For users looking for fast, high-speed Internet access on board ships and various craft in coastal areas (fishing boats, sailboats, yachts, scientific vessels, wind farms, coast guard and sea rescue boats, etc. .)




SPECIFICATION : Technical aspects of the solution

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	
Power supply by cable	12 VDC to 24 VDC
Power supply by passive PoE with external injector	24 VDC
Power consumption - Start	15 W
Power consumption - Operation	2 W (max) type

INTERFACE	
Data link	Ethernet Port and Wi-Fi 2.4 GHz 802.11b/g/n
Pin code & APN configuration	Via web interface

ENVIRONMENTAL CONDITIONS	
Operating temperature	-20° C to +60° C
Storage temperature	-40°C to +85°C
IP protection	IP66

Note:

¹Real distance depends on your telecom operator.

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

Economic and Environmental Benefits :

Current solutions (HF, VHF) are either limited in speed (~10 kbits/s) or expensive (satellite communications). NeptuLink by MVG offers high-speed connection to networks 4G at the same cost as data network access on your phone.



Company Overview :

Since its creation in 1986, MVG has become a key international player in the visualization of electromagnetic waves for carrying out precise and rapid tests of antennas and wireless connectivity. Our current successes are based on more than 30 years of continuous innovation.

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