



HIGH SPEED 4G/LTE INTERNET ACCESS SYSTEM

The new LTE broadband antenna extends the range of mobile internet connectivity to a new dimension on sea.

Affordable high-speed Internet is now available for land mobile users and coastal shipping by a professional, rock solid, small, lightweight antenna to surf in the net with all your devices like Smartphone, Tablets, PCs and other devices you have on board.

The antenna system provides diversity function for better connectivity and higher speed via LTE networks. Optimization for long-range access will provide excellent connectivity being offshore with high data speed and throughput.

Full usability is given by a one-cable solution, connecting the antenna device with the control unit.

Antenna offers up to 150 Mbit/s download and up to 50 Mbit/s upload speed (upon availability by the provider).

Freedom of choice – you can use your own SIM card, or subscribe to our local and global roaming, multi-carrier-best network 4G SIM cards with economic multi-gigabyte bundles, offering a low cost and flexible pricing solutions.

FEATURES:

- Easy to Install, single wire installation
- Cost effective compared to satellite communications
- Reaches up to 50 NM (nautical miles)
- Download Speed up to 300 Mbit/s*
- Upload Speed up to 100 Mbit/s*
- Rugged Maritime Dome Design
- Competitive rates on 4G Worldwide
- Designed and manufactured in Europe
- Patented technology
- ISO 9001 Quality Standard



* With dual system, single system up to 150/50

OUT-DOOR UNIT (ODU)

ANTENNAS	Diversity plus MIMO Antenna System, Ultra-Wide-Band with RADAR Reflector, High Efficiency, High Gain Perfect suited for 4G/LTE applications in order to get highest throughput and longest distance of operation Frequency range: 0.1 GHz ... 12 GHz
MODEM	High performance Universal Band LTE Modem in latest Technology and accordingly to newest standards CE/FCC/TRA/FAC compliant. 3GPP(+) compliant
SIM	ODU
WEIGHT	2.5 kg
MOUNTING	4 x M8 stainless steel screws (A4), rubber sealed
RADOM-MATERIAL	Co-extruded plastic (hybrid layer), UV stable, IR reflecting
RADOM-COLOUR	White, surface shining
CONNECTION TO BDU	Single Cable Coax 75Ohm (RG6) or 50 Ohm low loss
MAX. LENGTH CABLE	50Ohm: up to 300m, 75Ohm: up to 100m
POWER SUPPLY	Phantom type, through coaxial cable. Max. 38V DC
POWER CONSUMPTION	5W during operation, 8W peak during power-up
MAX. OPERATIONAL TEMP.	+55°C (ambient, outside Radome). Direct sun radiation allowed.
MIN. OPERATIONAL TEMP.	-45°C
MAX. PERMANENT ACCELERATION LOAD	2g (linear vibration)
MAX. PEAK ACCELERATION LOAD	25g (single shock)
OPTION ADDITIONAL SURGE PROTECTION	Additional surge/lightning protection (gas-discharge tube) inline coaxial cable at ships hull

BELOW DECK UNIT (BDU)

SIZE	170mm x 125mm x 30mm
MOUNTING OPTION	Al-mounting plate
WEIGHT	600g
MAX. OPERATIONAL TEMP.	+45°C, ambient
MIN. OPERATIONAL TEMP.	-25°C
MAX. PERMANENT ACCELERATION LOAD	1.5g (linear vibration)
MAX. PEAK ACCELERATION LOAD	15g (single shock)
POWER CONSUMPTION	3W during operation, 5W peak during power-up
POWER SUPPLY	Wall mount socket type, 230V (device is included in delivery), EU std Automatic (thermal) fuse built-in, self healing
CONNECTIONS	Ethernet 100 Base-T (option 1000 Base-T) DC 15 ... 24V F (optional N) connector (cable from ODU) F - Option for loop through USB 2.0 Master Ground connection point to ships GND