

POWERFULL

High gain WiFi and LTE/4G antennas

LTE Cat 4 up to 150 Mbps router

Up to 50 simultaneous users

FLEXIBLE

Expandible with multiple WiFi and LTE/4G antennas

Dual SIM - significantly reduce roaming costs

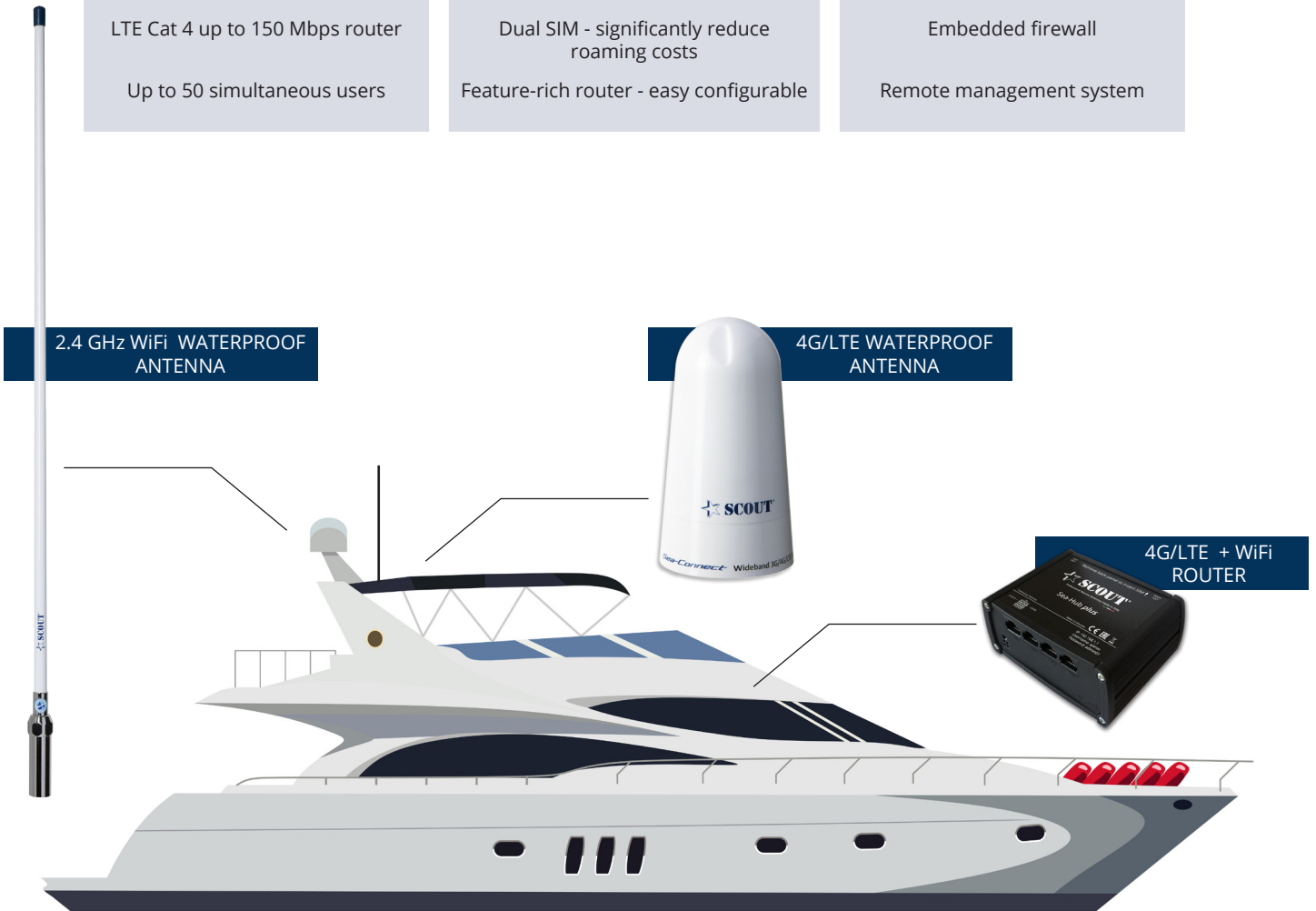
Feature-rich router - easy configurable

SECURE

Various encryption protocols supported

Embedded firewall

Remote management system



The **WiFi+4G onBoard** is a complete all-in-one system that allows Internet connectivity from a nearby WiFi hotspot or cellular network with up to 4G speed, and to share it wirelessly through the built-in hotspot or through Ethernet. The receiver auto-switches between WiFi signal and cellular data to maintain Internet connectivity up to 20 Miles from the coast.

The hotspot allows up to 50 WiFi users simultaneous connections and offers the possibility to assign a private password to restrict the access to unknown users.

The **WiFi+4G onBoard** can be completely managed wirelessly with a smartphone, tablet or laptop through a web browser interface and a dedicated app (in development status). No additional cables or drivers are required.

The **WiFi+4G onboard** includes a professional high-speed router (model Sea-Hub Plus), a 4dB external waterproof 4G antenna (model Sea-Connect), and a high power 10dB external waterproof WiFi antenna (model KS-62). Cables, mounts and connectors to complete the installation to be purchased separately. It requires a data-only SIM card (not included in the package) with possibility of a second SIM card (optional).



Up to 150 Mbps



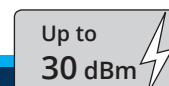
Automatic switch to available backup connection



Wireless Access Point



Remote Management System



High TX power

System configuration

	Router	WiFi antenna	4G antenna	Description
WiFi onBoard	Yes	Yes	No	Connect to available hotspots and access the Internet for free without using a SIM card.
4G onBoard	Yes	No	Yes	Stay always connected to fast 4G data networks up to 20 miles from the coast.
WiFi + 4G onBoard	Yes	Yes	Yes	Connect to the Internet through available hotspots and switch automatically to fast 4G networks during navigation and when no hotspots are available.
WiFi + 4G onBoard Plus	Yes	Yes	Yes (x2)	Connect to the Internet through available hotspots and switch automatically to fast 4G networks during navigation and when no hotspots are available. Increase the Internet speed and signal coverage with a second 4G antenna.

Router data sheet

Mobile 4G (LTE) – Cat 4 DL up to 150 Mbps, UL up to 50 Mbps; DC-HSPA+; UMTS; TD-SCDMA; EDGE; GPRS

CPU Atheros Wasp, MIPS 74Kc, 550 MHz

Memory 16 MBytes Flash, 128 MBytes DDR2 RAM

Ethernet 4 x 10/100 Ethernet ports: 1 x WAN (configurable as LAN), 3 x LAN ports

Power supply 9 – 30 VDC, 4 pin DC connector

Inputs/Outputs 1 x Digital Input, 1 x Digital Open Collector Output on power connector

Connectors 1 x 4 pin DC, 4 x Ethernet, 2 x Mobile SMA, 2 x WiFi RP-SMA

SIM 2 x external SIM holders

Status LEDs 1 x bi-color connection status, 5 x connection strength, 4 x LAN status, 1 x Power

Operating temperature -40 °C to 75 °C

Housing Aluminium housing, plastic panels

Dimensions 100 mm x 110 mm x 50 mm

Weight 256 g

WiFi antenna data sheet

Frequency: 2400-2500 MHz

Impedance: 50 Ohm

V.S.W.R.: < 1,5:1

Polarization: Vertical

Gain: 10 dBi

Radiation: Omnidirectional

Max power input: 50 W

Whip material: Fiberglass

Connector: N Female

Mounting: 1" x 14 thread

Length: 1,0 m (3.3')

Weight: 0,45 kilo

4G antenna data sheet

Frequency: 698-2700 MHz

Gain: 4 dBi

V.S.W.R.: < 1,7

Polarization: Vertical

Gain: 4 dBi

Radiation: Omnidirectional

Max power input: 100 W

Body material: ASA

Connector: N Female

Mounting: 1" x 14 thread

Length: 0,20 m (8")

Weight: 0,20 kilo

Accessories

Cables, connectors and mounts to be purchased separately depending on the installation type.



SIM card (data only) to be purchased separately.

2 years warranty.

Antennas made in Italy.

Router made in Lithuania.

