POWERFULL

High gain WiFi and 4G/LTE antennas

LTE Cat 4 up to 150 Mbps router

Up to 50 simultaneous users

FLEXIBLE

Expandible with multiple WiFi and 4G/LTE antennas

Dual SIM - significantly reduce roaming costs

Feature-rich router - easy configurable

SECURE

Various encryption protocols supported

Embedded firewall

Remote management system

2.4 GHz WiFi WATERPROOF ANTENNA

4G/LTE WATERPROOF ANTENNA

4G/LTE + WiFi ROUTER

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 form 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. No additional cables or drivers are required.

The **WiFi+4G onboard** includes a professional high-speed router, a 4dB external waterproof 4G antenna, and a high power 10dB external waterproof WiFi antenna. 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).

The system is highly customizable to match the user requirements, please refer to the system configuration table to find the setup that fits the best.

LTE Cat 4
Up to 150 Mbps

WAN failover
Automatic switch to availbale backup connection

Wireless Access Point

RMS
Remote Management System

Up to 30 dBm
High TX power

SCOUT ®
Professional Marine Antennas Made In Italy

System configuration

	Router	WiFi antenna	4G antenna	Description
WiFi onBoard	Yes	Yes	No	Connect to available hotspots and access the Internet 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.
4G onBoard *Plus*	Yes	No	Yes (x2)	Stay always connected to fast 4G data networks up to 20 miles from the coast. Increase the Internet speed and signal reception with a second 4G antenna.
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 reception with a second 4G antenna.

WiFi onBoard
Complete set for WiFi on board

4G/LTE + WiFi Router x 1

WiFi antenna 10 dB x 1

EU power supply 9 VDC

Code: PF AN NWIFI12

4G onBoard
Complete set for 4G on board

4G/LTE + WiFi Router x 1

4G antenna 4 dB x 1

EU power supply 9 VDC

Code: PF AN NWIFI13

4G onBoard *Plus*
Complete set for 4G on board plus

4G/LTE + WiFi Router x 1

4G antenna 4 dB x 2

EU power supply 9 VDC

Code: PF AN NWIFI11

WiFi + 4G onBoard
Complete set for WiFi + 4G on board

4G/LTE + WiFi Router x 1

WiFi antenna 10 dB x 1

4G antenna 4 dB x 1

EU power supply 9 VDC

Code: PF AN NWIFI08

WiFi + 4G onBoard *Plus*
Complete set for WiFi + 4G on board plus

4G/LTE + WiFi Router x 1

WiFi antenna 10 dB x 1

4G antenna 4 dB x 2

EU power supply 9 VDC

Code: PF AN NWIFI14

Accessories

Cables, connectors and mounts to be purchased separately depending on the installation type.
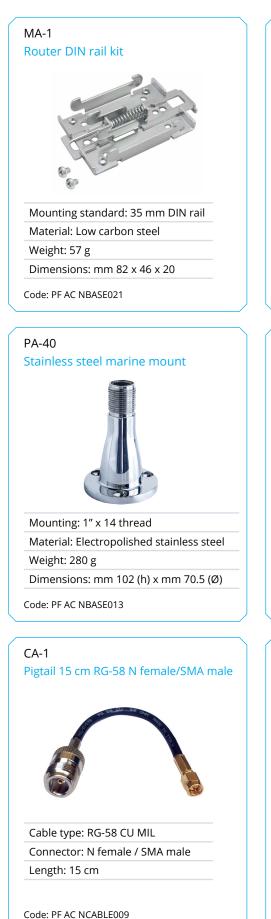
Please see Accessories list for your reference.

Accessories

MA-1
Router DIN rail kit

Mounting standard: 35 mm DIN rail	
Material: Low carbon steel	
Weight: 57 g	
Dimensions: mm 82 x 46 x 20	

Code: PF AC NBASE021

MA-2
Router compact DIN rail kit

Mounting standard: 35 mm DIN rail	
Material: ABS + PC plastic	
Weight: 6,5 g	
Dimensions: mm 70 x 25 x 14,5	

Code: PF AC NBASE022

MA-3
Router surface mounting kit

Mounting standard: flat surface	
Material: ABS + PC plastic	
Weight: 2x5 g	
Dimensions: mm 25 x 48 x 7,5	

Code: PF AC NBASE023

PA-40
Stainless steel marine mount

Mounting: 1" x 14 thread	
Material: Electropolished stainless steel	
Weight: 280 g	
Dimensions: mm 102 (h) x mm 70.5 (Ø)	

Code: PF AC NBASE013

PA-30
Four way stainless steel ratchet mount

Mounting: 1" x 14 thread	
Material: Electropolished stainless steel	
Weight: 680 g	
Dimensions: mm 90 x 60 x 110 (h)	

Code: PF AC NBASE012

PA-44
Adaptor 1"x14 thread 90mm (3.5")

Mounting: 1" x 14 thread	
Material: Chrome brass	
Weight: 125 g	
Dimensions: mm 27 x 27 x 90 (h)	

Code: PF AC NBASE024

CA-1
Pigtail 15 cm RG-58 N female/SMA male

Cable type: RG-58 CU MIL	
Connector: N female / SMA male	
Length: 15 cm	

Code: PF AC NCABLE009

CA-2
Pigtail 15 cm RG-58 N female/SMA male RP

Cable type: RG-58 CU MIL	
Connector: N female / SMA male RP	
Length: 15 cm	

Code: PF AC NCABLE010

CA-3
Cable type LMR-400 1 m N male/N male

Cable type: LMR-400	
Connector: N male / N male	
Length: 1 m	

Code: PF AC NCABLE011

Note: cable type LMR-400 with connector N male/N male of different lengths are also available. See table below for your reference.

Item	Description	Code
CA-4	Cable type LMR-400 3 m N male/N male	PF AC NCABLE012
CA-5	Cable type LMR-400 5 m N male/N male	PF AC NCABLE013
CA-6	Cable type LMR-400 7 m N male/N male	PF AC NCABLE014
CA-7	Cable type LMR-400 10 m N male/N male	PF AC NCABLE015
CA-8	Cable type LMR-400 15 m N male/N male	PF AC NCABLE016

Warranty

Scout guarantees all the above listed systems from manufacturing defects for a period of 2 years from the date of purchase. Proof of purchase is required.

Please refer to Scout website www.scoutantenne.com for the general warranty conditions.

4G 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. Possibility to power up through LAN port.

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

Power consumption: < 2 W idle, < 7 W Max

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

Body material: 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

SIM card (data only) to be purchased separately.

Antennas made in Italy.
Router made in Lithuania.

CE EAC