

## 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



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. 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.



Up to 150 Mbps

WAN failover

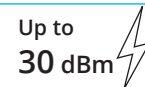
Automatic switch to available backup connection



Wireless Access Point



Remote Management System



High TX power

## System configuration

	Router	WiFi antenna	4G antenna	Description
<b>WiFi onBoard</b>	Yes	Yes	No	Connect to available hotspots and access the Internet without using a SIM card.
<b>4G onBoard</b>	Yes	No	Yes	Stay always connected to fast 4G data networks up to 20 miles from the coast.
<b>4G onBoard Plus</b>	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.
<b>WiFi + 4G onBoard</b>	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.
<b>WiFi + 4G onBoard Plus</b>	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](http://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.

