

Ideal for:

- **Emergency Communications**
- **Wireless Internet Access (Primary & Failover)**
- **Simultaneous Operation of Dual SIMs**
- **High Speed/High Quality Video Transmission**

St. Bernard Emergency Mobile Hot Spot Up to 9 in 1



- **4X4 MIMO LTE**
- **4x4 MIMO Wi-Fi**
- **GPS/GNSS**
- **5G Ready**

Features

- **PORTABLE**
- **CAT 18**
- **IP 67 WATERPROOF**
- **617 MHz - 5925 MHz ***
- **HIGH EFFICIENCY**
- **HIGH PERFORMANCE**

***See inside for details**



Product Description

Parsec's Saint Bernard Emergency Series Box is a portable emergency IP67 rated box with 9 antennas built into the cover. The internal antennas include double (CAT 18) MIMO LTE, double MIMO WiFi, and GNSS external waterproof antennas. The St. Bernard supports the simultaneous operation of two separate LTE modems for CAT4, 6, 11, 12 or a single CAT 18 that requires a 4x4 MIMO LTE. This rugged, impact resistant 9:1 antenna in a box works on all the common North American LTE bands with high efficiency. It also supports CBRS and LAA.



Detailed product information and options are available under NDA.

Patent Pending.

List of Routers that can be used:

- CRADLEPOINT IBR1700-1200M

Frequency Ranges

LTE frequency range

- 617 – 894 MHz
- 1710 – 2700 MHz
- 3400 – 4000 MHz
- 5150 – 5925 MHz

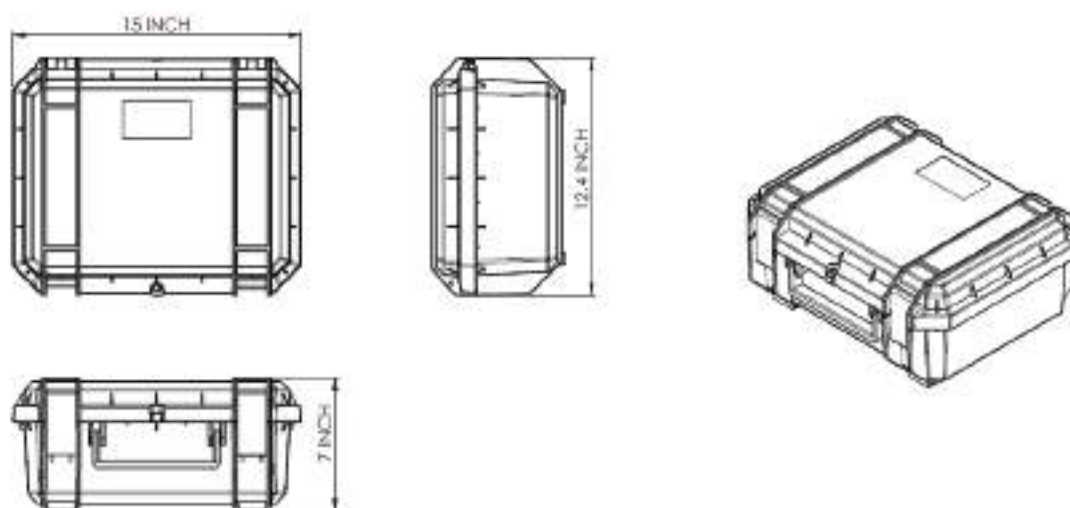
Wi-Fi frequency range

- 2400 – 2483.5 MHz
- 4900 – 5900

LTE Bands (US Carriers)

AT&T	2, 4, 5, 14, 17, 29, 30, 46, 48, 66
Verizon	2, 4, 5, 13, 46, 48, 66
T-Mobile	2, 4, 12, 46, 48, 66
Sprint	2, 25, 26, 41, 46, 48
Mechanical	
Dimensions (LXWXH)	15.0" X 12.4" X 7"
Lock Hole Diameter	0.35 INCH
RF Cable Length	15 INCH cables
Environmental	
Operating Temperature	-40°C to 85°C
Ingress Protection	IP67 waterproof when closed

Product Dimensions



Electrical Specifications

ID	Port	Parameters	Units		Typ.	
Radiated Efficiency	LTE-1,2,3,4	617 – 894 MHz	%		70	
	LTE-1,2,3,4	698 – 984 MHz		85		
	LTE-1,2,3,4	1710 – 2200 MHz		85		
	LTE-1,2,3,4	2200 – 2700 MHz		70		
	LTE-1,2,3,4	3400 – 4000 MHz		50		
	LTE-1,2,3,4	5150 – 5925 MHz		40		
	GPS	1575.42 MHz		80		
	WiFi-1 thru 4	2400 – 2483.5 MHz		80		
	WiFi-1 thru 4	4900 – 5900 MHz		70		
Peak Gain	LTE-1,2,3,4	617 – 698 MHz	dBi		2	
	LTE-1,2,3,4	698 – 894 MHz		5		
	LTE-1,2,3,4	1710 – 2200 MHz		5		
	LTE-1,2,3,4	2200 – 2700 MHz		5		
	LTE-1,2,3,4	3400 – 4000 MHz		4		
	LTE-1,2,3,4	5150 – 5925 MHz		6		
	GPS	1575.42 MHz		6		
	WiFi-1,2,3,4	2400 – 2483.5 MHz		4		
	WiFi-1,2,3,4	4900 – 5900 MHz		6		
Return Loss (50 Ω)	LTE-1,2,3,4	617 – 698 MHz	dB		7.5	
	LTE-1,2,3,4	698 – 894 MHz		9		
	LTE-1,2,3,4	1710 – 2200 MHz		11		
	LTE-1, 2,3,4	2200 – 2700 MHz		7		
	LTE-1,2,3,4	3400 – 4000 MHz		8		
	LTE-1,2,3,4	5150 – 5925 MHz		8		
	GPS	1575.42 MHz		12		
	WiFi-1,2,3,4	2400 – 2483.5 MHz		14		
	WiFi-1,2,3,4	4900 – 5900 MHz		10		

Electrical Specifications (Continued)

ID	Port	Parameters	Units	Typ.
Isolation	LTE	617 – 894 MHz	dB	12
	LTE	1710 – 2700 MHz		20
	LTE	3400 – 4000 MHz		25
	LTE	5150 – 5925 MHz		35
	WiFi	2400 – 2483.5 MHz		19
	WiFi	4900 – 5900 MHz		25
Polarization	LTE, WiFi		dB	Linear
	GPS			RHCP
Max Input Power	LTE, WiFi		Watts	10
GNSS Preamp Gain	GPS		dB	28
GNSS Preamp Voltage	GPS		V	2.2 to 5.0
RF Connectors	LTE, GPS			SMA(M)
	WiFi			RP-SMA
RF Cable Type	LTE, WiFi			RG-316
	GPS			LMR100
Notes: <ol style="list-style-type: none"> 1. Electrical specifications based on antenna mounted in the lid of the plastic enclosure. 2. Isolation and return loss include cable loss from 11-inch-long cables supplied. 				

Notes:

Battery, Router, and sim card are not included. Customers should contact Parsec's authorized Distributors and VAR's listed on our website for a full list of routers and other options that will complete the Emergency Hot Spot.

Ordering

Our St. Bernard Antenna consists of a Protective Case with an antenna built into the lid.

Configurations	Part Number	Description
9:1	PRO9SB4L4WG	4 LTE, 4 WiFi, GPS, black case with antenna built into lid
9:1	PRO9SB4L4WG-G	4 LTE, 4WIFI, GPS, black case with antenna built into lid with Battery option (see antenna options for description).
9:1	PRO9SB4L4WG-L	4 LTE, 4 WIFI, GPS, black case with antenna built into lid with AC adapter (see antenna options for description).
9:1	PRO9SB4L4WG-A	4 LTE, 4 WIFI, GPS, black case with antenna built into lid with AC adapter (see antenna options for description).

Part Number Key

Part number example of a 9:1 ST. Bernard antenna PRO9SB4L4WG

Description	Abbreviation	Part Number
All PRO Series	PRO	PRO
Number of antennas in housing/configuration	9:1	PRO9
Antenna abbreviation for St. Bernard	SB	PRO9SB
Number of LTE Elements	# L	PRO9SB4L
Number of WiFi Elements	# W	PRO9SB4L4W
Number of GPS Elements (usually only 1 GPS per antenna, therefore we simply list G and no number)	G	PRO9SB4L4WG
Optional G version– includes the below options	-G	PRO9SB4L4WG-G
Optional L version – includes the below options	-L	PRO9SB4L4WG-L
Optional A version – Includes the below options	- A	PRO9SB4L4WG-A
Router mount plate		PTA0394

Antenna Options

Description	Antenna Options			
	PRO9SB4L4WG	PRO9SB4L4WG-G	PRO9SB4L4WG-L	PRO9SB4L4WG-A
PRO9SB4L4WG	YES	YES	YES	YES
FAN	NO	YES	YES	NO
A/C Adapter	NO	NO	YES	YES
Barrel Connector	NO	YES	NO	NO
1x USB Adapter	NO	YES	NO	NO
4x RJ-45 Connectors	NO	YES	YES	NO
Router Mount Plate	NO	YES	YES	YES
Top Cover	NO	YES	YES	YES
Battery Tray	NO	YES	NO	NO
Battery: Chargetech 54k Dual AC Battery Pack - Portable Power Supply (Not Included With Antenna)				

Ordering

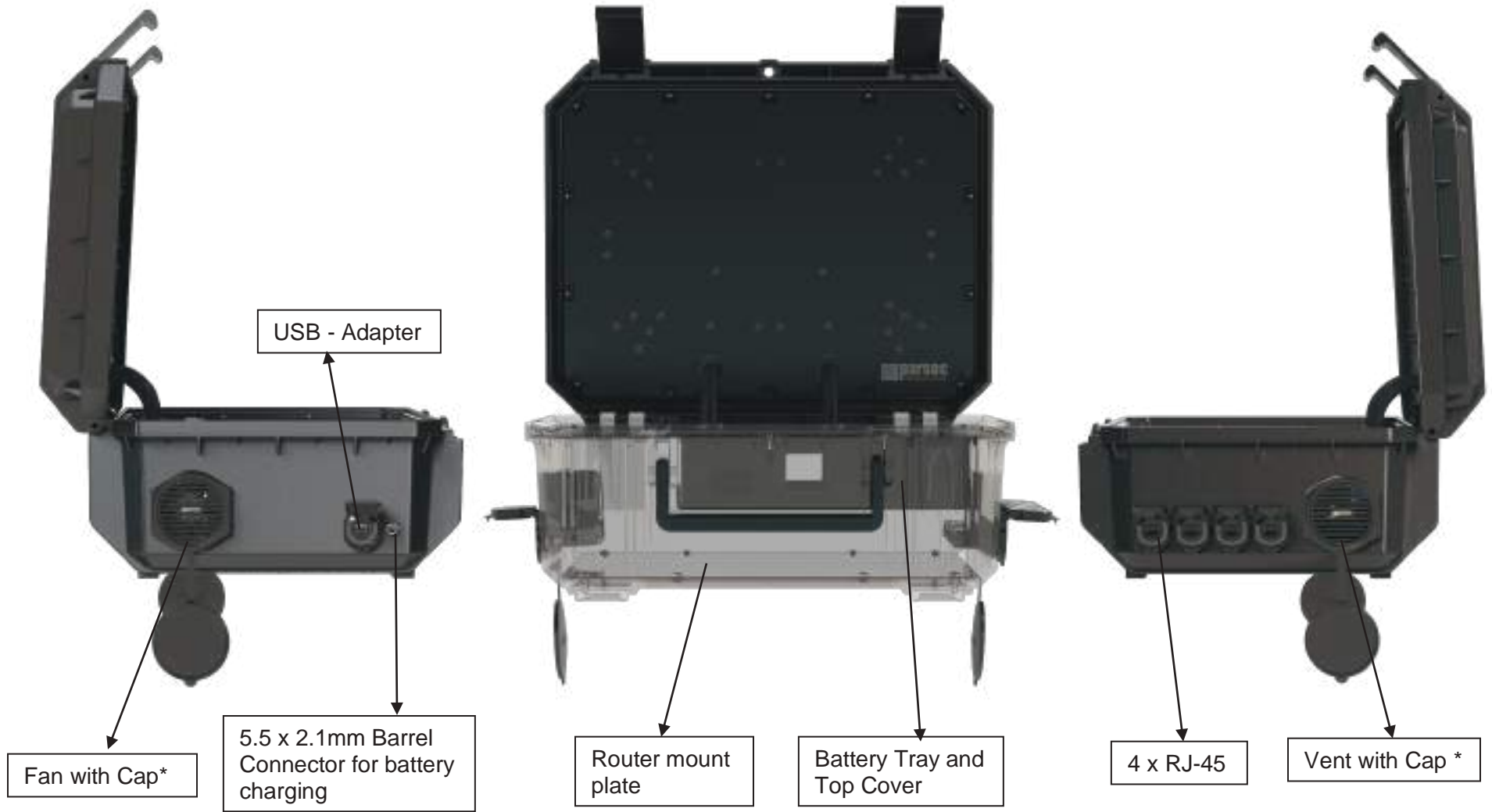
Accessories

PRO9SB4L4WG-G	
Provided by Parsec	Ethernet Cord (4), USB Cord (1)
To Be Purchased By The Customer	Ethernet Cord (4) - https://www.mcmaster.com/ethernet-cords/ethernet-cords-7/ USB Cord (1) - https://www.mcmaster.com/usb-cords/usb-cords-6/ Power Supply (1) - https://cradlepoint.com/product/accessories/cor-ibr600b-c-series-wall-power-adapter/ ChargeTech 54k AC Battery Pack (1) - https://chargetech.com/product/plug-portable-power-supply/

PRO9SB4L4WG-L	
Provided by Parsec	Ethernet Cord (4)
To Be Purchased By The Customer	Ethernet Cord (4) - https://www.mcmaster.com/ethernet-cords/ethernet-cords-7/ Power Supply (1) - https://cradlepoint.com/product/accessories/cor-ibr600b-c-series-wall-power-adapter/ Surge Protector (1) - https://www.amzn.com/dp/B00ATZJ5YS/

PRO9SB4L4WG-A	
To Be Purchased By The Customer	Power Supply (1) - https://cradlepoint.com/product/accessories/cor-ibr600b-c-series-wall-power-adapter/ Surge Protector (1) - https://www.amzn.com/dp/B00ATZJ5YS/

PRO9SB4L4WG-G



*Always open the fan cap and vent cap during operation

PRO9SB4L4WG-L



*Always open the fan cap and vent cap during operation