



The St. Bernard PRO series Mobile Hot Spot Case is a 5G rugged case antenna that features 4X4 MIMO cellular, 4X4 Wi-Fi, and optional GPS that is omni-directional. The St. Bernard is designed to be ready to go for immediate hot spots and coverage that can withstand a critical environment due to its rugged impact resistant housing.

This IP67 rated antenna is designed to provide reliable signal strength and reception, while also being portable and efficient enough to fit inside the case's compact form factor.

Patented



1st
to 5G



Configurations 9:1

Video Streaming | On the Go Wireless | Mobile Communications Hotspot

Reliable Connectivity

High Efficiency & High Gain

High Data Speeds

Ideal for Remote Video Streaming

Durable

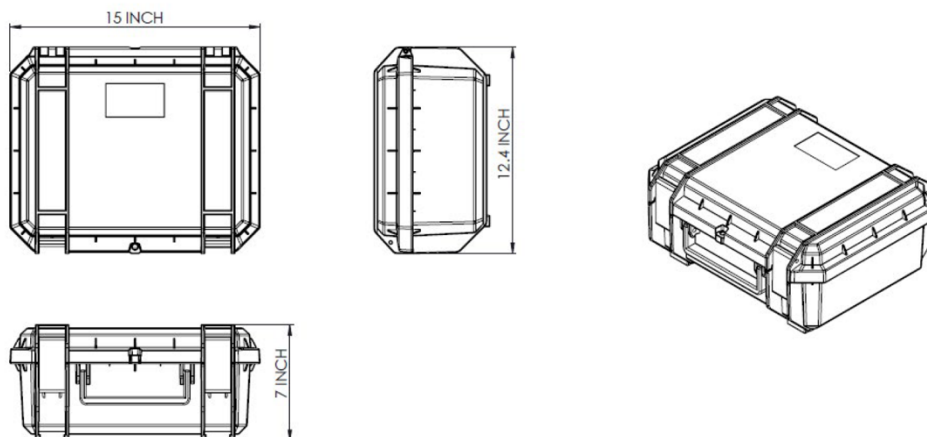
IP67 Rated for Waterproofing

- 4X4 MIMO CELLULAR
- 4X4 MIMO WI-FI
- OMNI-DIRECTIONAL
- 600-6000 MHz
- GPS/GNSS
- 15 inch x 12.4 inch x 7 inch
- WI-FI 6 COMPATIBLE

Specifications

Frequencies			
4G/5G Cellular	698-960 MHz 1710-2700 MHz 3400-4000 MHz 5150-5925 MHz	Wi-Fi	2400-2483.5 MHz 4900-5900 MHz
4G/5G Bands			
North America	B2, B4, B5, B7, B12, B13, B14, B17, B25, B26, B29, B30, B41, B46, B48, B66 n2, n5, n12, n25, n26, n41, n48, n66, n71, n77		
EMEA	B1, B3, B7, B8, B20, B28, B42, B43, B46 n1, n3, n28, n77, n78		
Mechanical		Environmental	
Dimensions	15 inch X 12.4 inch X 7 inch	Operating Temperature	-30 °C to 85°C OR -22 °F to 180°F
Internal Dimensions	13.6 in X 9.9 in X 6.1 in		
Lock Hole Diameter	0.35 inch	Ingress Protection	IP67 for -A Version *when closed. IP54 for -G &-L Version *when all ports and lid are closed
RF Cable Length	15 inch Pigtails		
Router Pairings	Cradlepoint IBR1700	Max Router Dimensions	8.8" x 7.5" x 1.7"
	Peplink MAX Transit Duo	Max Router Configuration	4 Cellular, 4 Wi-Fi, GPS
<ul style="list-style-type: none"> Temperature range is for antenna only. Equipment installed inside the enclosure may have a different temperature range. *Openings in the enclosure for options like fans and power cords may reduce ingress protection even with covers installed. 			

Dimensions



Product Images



Electrical Specifications

ID & Unit	Port	Parameters	Typ.
Radiated Efficiency (%)	CELL 1 thru 4	617-894 MHz	70
	CELL 1 thru 4	698-984 MHz	85
	CELL 1 thru 4	1710-2200 MHz	85
	CELL 1 thru 4	2200-2700 MHz	70
	CELL 1 thru 4	3400-4000 MHz	50
	CELL 1 thru 4	5150-5925 MHz	40
	GPS	1575.42 MHz	80
	Wi-Fi 1 thru 4	2400-2483.5 MHz	80
	Wi-Fi 1 thru 4	4900-5900 MHz	70

Peak Gain (dBi)	CELL 1 thru 4	617-894 MHz	2
	CELL 1 thru 4	698-984 MHz	5
	CELL 1 thru 4	1710-2200 MHz	5
	CELL 1 thru 4	2200-2700 MHz	5
	CELL 1 thru 4	3400-4000 MHz	4
	CELL 1 thru 4	5150-5925 MHz	6
	GPS	1575.42 MHz	6
	Wi-Fi 1 thru 4	2400-2483.5 MHz	4
	Wi-Fi 1 thru 4	4900-5900 MHz	6
Return Loss 50Ω (dB)	CELL 1 thru 4	617-894 MHz	7.5
	CELL 1 thru 4	698-984 MHz	9
	CELL 1 thru 4	1710-2200 MHz	11
	CELL 1 thru 4	2200-2700 MHz	7
	CELL 1 thru 4	3400-4000 MHz	8
	CELL 1 thru 4	5150-5925 MHz	8
	GPS	1575.42 MHz	12
	Wi-Fi 1 thru 4	2400-2483.5 MHz	14
	Wi-Fi 1 thru 4	4900-5900 MHz	10
Isolation (dB)	CELL	698-960 MHz	12
	CELL	1710-2700 MHz	20
	CELL	3400-4000 MHz	25
	CELL	5150-5925 MHz	35
	Wi-Fi	2400-2483.5 MHz	19
	Wi-Fi	4900-5900 MHz	25
Polarization (dBi)	CELL, Wi-Fi GPS		Linear RHCP
Max Input Power (Watts)	CELL, Wi-Fi		10
GNSS Preamp Gain (dB)	GPS		28
GNSS Preamp Voltage (V)	GPS		2.2 to 5.0
RF Connectors	CELL, GPS Wi-Fi		SMA(M) RPSMA(M)
RF Cable Type	CELL, Wi-Fi GPS		RG-316 LSR100
<ul style="list-style-type: none"> Electrical specifications based on antenna mounted in the lid of the plastic enclosure. Isolation and return loss include cable loss from 1.5 ft long cables supplied. Antenna patterns, peak gain, and efficiency do not include cable loss. *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. Parsec is currently phasing out inventory with LTE on our Cellular cables (now labeled CELL). For cables labeled LTE, please refer port "CELL" in the data sheets and installation instructions. 			

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 CELL Elements	#L	PRO9SB4L
Number of Wi-Fi 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 options listed	-G	PRO9SB4L4WG-G
Optional L version – Includes the options listed	-L	PRO9SB4L4WG-L
Optional A version – Includes the options listed	-A	PRO9SB4L4WG-A

Ordering

Configs.	Part Number	Description
9:1	PRO9SB4L4WG	4 Cellular, 4 Wi-Fi, GPS, Protective Case with Antenna Built into Lid
	PRO9SB4L4WG-G	4 Cellular, 4 Wi-Fi, GPS, Protective Case with Antenna Built into Lid with ChargeTech Battery Option (battery not included) (see antenna options for description)
	PRO9SB4L4WG-L	4 Cellular, 4 Wi-Fi, GPS, Protective Case with Antenna Built into Lid with AC Adapter (see antenna options for description)
	PRO9SB4L4WG-A	4 Cellular, 4 Wi-Fi, GPS, Protective Case with Antenna Built into Lid with AC Adapter (see antenna options for description)

Antenna Options

Description	PRO9SB4L4WG	-G Version	-L Version	-A Version
Antenna	YES	YES	YES	YES
Fan	NO	YES	NO	NO
AC 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
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. Must Be Purchased Separately.) For more information, see our installation instructions at Parsec-t.com for St. Bernard Case Series.				

Additional Hardware Accessories

<i>Accessory</i>	<i>Part Number</i>
RJ-45 Adapter	PTA0415
RJ-45 Adapter, 1.25" Diameter	PTA0415-2
USB-A Panel Mount	PTA0448
HDMI Port	PTA0683
DC Barrel	PTA0447B
AC Adapter with 16" Cord Kit	PTA0771
Screws	PTA0071B
Panel Mount DC5521 Jack to DC5521 Plug, 2 FT	PTA0792
40mm Fan Replacement Kit (Includes screws and nuts)	PTA0764
40mm Vent and Cap Kit	PTA0477
SMA Wrench, Key Chain	PTA0194
Service: Router Installation	PTA-Install-150



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